

July 1983

A WEIGHTY ISSUE

02811

\$1.75

GAMES

These celebrities have gotten so skinny
for the beach that even
their agents can't
recognize them. Can you?

HINT: HOLD THE COVER HORIZONTALLY
AND AT EYE LEVEL.

Answers, page 72



SUPERS

Its arcade games look and sound so real it seems an illusion to have them at home.

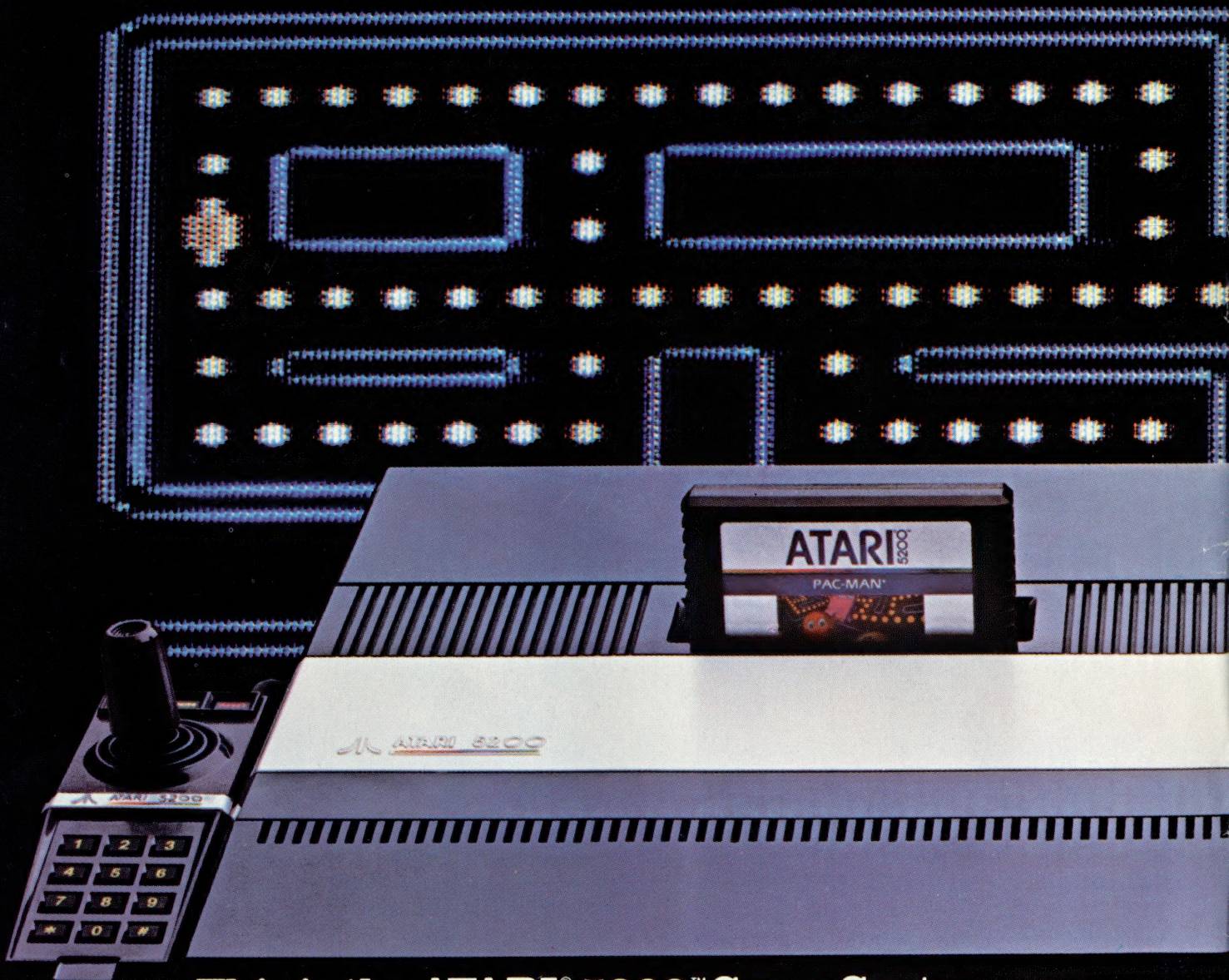
Its sports games are so lifelike you could end up with sore muscles and a hoarse throat.

In fact, everything about the ATARI® 5200™ SuperSystem is designed to make your

wildest expectations seem tame.

Its arcade-quality cartridges can't be played on any other system, not even with an adaptor.

Hits like PAC-MAN¹, Centipede², Galaxian³, Star Raiders⁴, Missile Command⁵, Football and Soccer are here now. Others like Pole



**This is the ATARI® 5200™ SuperSystem.
The most versatile, controllable and enjoyable
video game system you can buy.**

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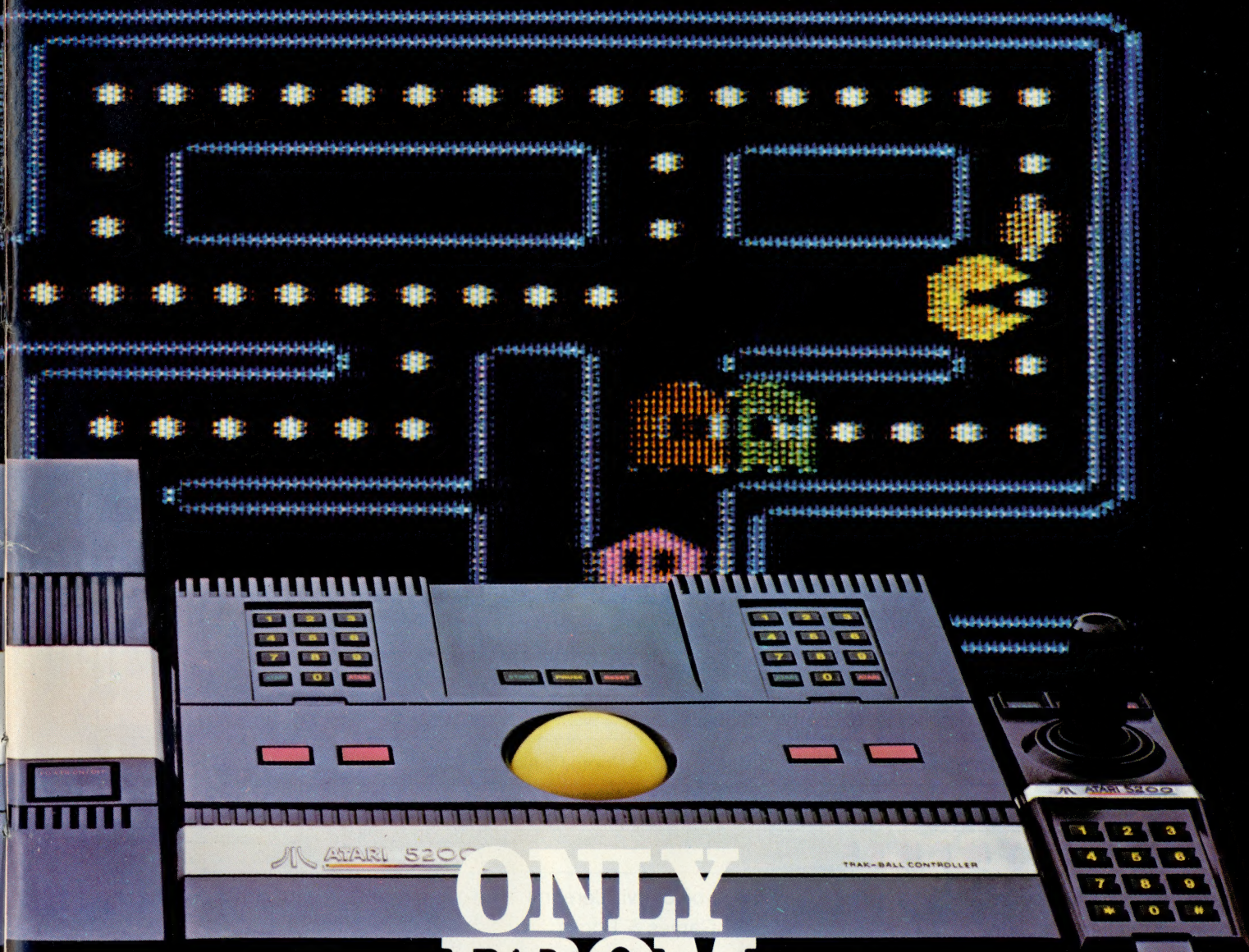
SYSTEM

Position,³ Dig Dug,^{TM4} Kangaroo,^{TM5} Jungle Hunt,⁶ Tennis, and Baseball are coming soon.


Its controllers have the only 360° joysticks on the market. A 12-position keypad. Plus start, reset, and the only pause button, all conveniently right in your hand.

Coming soon is a TRAK-BALLTM controller. An adaptor for ATARI 2600TM games. Even cartridges with human-sounding voice.

Compare the ATARI 5200TM with anything else and you'll see why we call it the Super-System. Because that's exactly what it is.



ONLY
FROM
ATARI[®]

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Difficulty Rating

Smooth Sailing ★

Uphill Climb ★★

Proceed at Your Own Risk! ★★★

Mixed Bag ★☆

Cover Photograph Walter Wick

Anamorphic Figures Joe Lertola

HERE'S WHAT MAKES THE ATARI 5200™ SUPERSYSTEM SO SUPER.

First off, it really is a system. A family of ATARI 5200™ SuperSystem components designed together to perform together.

Which is what any video gamer should look for. It's also an exclusive system. You can't play its

high-resolution, arcade-speed 5200™ Super Games on anything else, not even with an adaptor.

And what's coming includes the most popular games, like Joust¹ and Pole Position², now in the arcades.

ATARI 5200™ SUPERSYSTEM

It comes with a powerful 16K RAM (memory) built in. Which is 10 times more intelligent than Intellivision.™

It generates 256 colors, compared with Colecovision's 16. And 320 lines of graphic resolution, a good 25% sharper than Colecovision.™

Its circuitry reads signals fast. So with 5200 arcade cartridges, nothing gets lost in translation. Including game speed.

What's more, the controllers actually feel good in your hand. With solid joysticks, not clumsy little disks.

And the action is full-circle, 360°. Instead of 16 or 8 positions like other joysticks.

There are left- and right-handed fire buttons. A 12-digit keypad. Plus start and reset all in your hand.

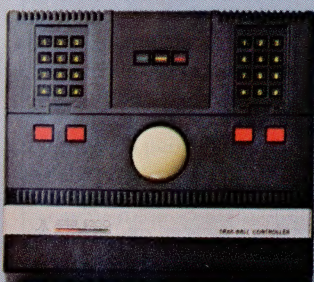
There's even a pause button, in case the phone rings. And it rings a lot when you have an ATARI 5200 SuperSystem.

Everyone wants to come over and play.

ATARI 5200™ TRAK-BALL™ CONTROLLER

If you know video games, you know what TRAK-BALL is. The fastest controller in the arcades.

And now for the ATARI 5200 SuperSystem.



It gives Centipede,³ Galaxian,³ Missile Command[™] and other 5200 SuperSystem games true arcade feel and control.

And turns our new RealSports[™] games into real athletic workouts.

ATARI TRAK-BALL is mounted in a hefty base so it won't slip or slide around in heavy use.

All other controls are built right in. With fire buttons and keypads for both lefties and righties.

You just plug it into your ATARI 5200 SuperSystem and let the good times roll.

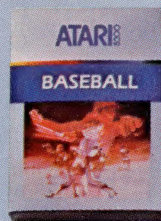
ATARI VCS™ CARTRIDGE ADAPTOR

This handy device gives you the best of both worlds.

It lets you play all the great ATARI 2600™ VCS games—like Asteroids,[™] Berzerk,⁴ Yars' Revenge,[™] the Swordquest[™] series—as well as the new 5200™ Super Games, all on one SuperSystem.



We're pretty certain which system you'll want to buy.



ATARI 5200™ VOICE

Speaking of video games, that's exactly what some ATARI 5200 games will do.

Generate a human-sounding voice in response to gameplay.

To guide you. To warn you. Maybe even to scare you a little.

Adding a whole new dimension of video game realism and fun.

ATARI 5200™ SUPER GAMES

Centipede,³ Vanguard,⁵ PAC-MAN,⁶ Galaxian,⁷ Qix,⁷ Star Raiders,[™] Football, Baseball, Soccer, and Tennis are here now.

Pole Position, Joust, Moon Patrol,¹ Jungle Hunt,⁸ Tempest,[™] Battlezone,⁹ Dig Dug,[™] Xevious,² and Pengo¹⁰ are coming soon.

With 5200 graphics, gameplay and sound, in cartridges that no other system, nor their adaptors, can play.

And they're the hottest games now in arcades.

Choose Colecovision or Intellivision and you'll never play them at home.

It's that simple.

So think ahead to the games you'll want to play.

ONLY FROM ATARI®

W A Warner Communications Company

YOUR MOVE

Edited by Burt Hochberg

States of Mind ★★

A family game we've enjoyed for a long time is to think up an absurd but somehow appropriate, city name to go with each state. The state name can either be spelled out or abbreviated in any standard style—whatever works best to produce an interesting combination when said aloud in the right way. Two obvious examples are "Noahs, Ark." and "Who, ME."

Here are the 22 we like best.
Can you come up with your own
place-names for the other 28
states?

Praise, Ala.	Peptobiz, MO
Dunno, Alaska	Hoot, Mon.
Aardv, Ark.	Teentytie, NY
Lowe, Cal.	Daddy, O.
Aloe, Ha.	Mighty, OK
Aluminum, Kans.	Either, OR
Oola, LA	Quartern, Tenn.
Spanish, Maine	Income, Texas
Critical, Mass.	Nowernev, Ver.
Vita, Minn.	Carr, Wash.
Hitter, Miss.	Tellme, WY

John McArthur
Lakeland, FL

Counter Intelligence ★

Fill in the blank in the following sequence.

3 3 5 4 4 3 5 5 — 3

Glen Wiggy
Midwest City, OK
Answer Drawer, page 66

Digititis ★★

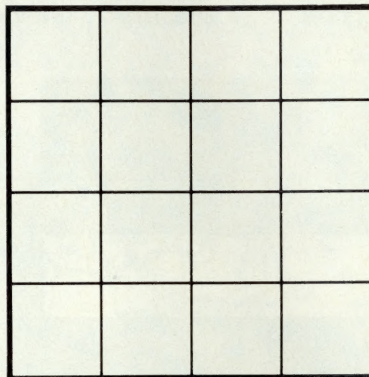
Digitals XX
In the following arithmetic problem, each digit but one has been replaced by a dot. Can you find the unique solution?

$$\begin{array}{r} \times \\ \hline . \\ . \\ + \\ \hline . \end{array}$$

Thomas Moore
Manassas, VA
Answer Drawer, page 66

Gridlock ★★★

Fill in the 4 x 4 grid below with 16 *different* letters so that each of the four vertical columns contains two relatively common four-letter words, one reading down, the other reading up. (The horizontal rows need not spell words.) It's harder than it looks!



R.C. Carver
Burlington, VT

Answer Drawer, page 66

Kyle's Tiles ★☆

One form of solitary Scrabble is to create a “closed board”—one in which play cannot be continued—using the fewest possible tiles. Such a position can be created with only seven tiles, following current Scrabble rules and using only vowelless words from *Webster’s Third*:

J	P	
P	D	Q
	Q	S

A Scrabble set has only one Q, so a blank must be used for the other one. The dictionary lists JP as a noun meaning "justice of the peace," PDQ as an adverb meaning "immediately," and QS as the plural of Q. None of these words is required to be capitalized, so all are acceptable under the rules.

Can any reader create a closed board with fewer than seven tiles?

Kyle Corbin
Raleigh, NC

If you think you can, send your best attempts to Your Move, c/o GAMES. —Ed.

GAMES

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INSERTS: Franklin Mint between pages 18-19.

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We're looking for people to write children's books

Writing for children is the perfect way to take up writing, says the author of 53 children's books. Your ideas come right out of your own experience. And while it's still a challenge, it's probably the straightest possible line between you and publication — if you're qualified to seek the success this rewarding field offers.

By Alvin Tresselt, Dean of Faculty

IF you want to write and get published, I can't think of a better way to do it than writing books and stories for children and teenagers. Ideas flow naturally right out of your own life experience. While it's still a challenge, the odds of getting that first unforgettable check from a juvenile publisher are better than they are from just about any other kind of publisher I know.

Later on, you may get other checks from other publishers. But right now, the object is to begin — to break into print — to learn the feeling of writing and selling your work and seeing your name in type. After that, you can decide if you want your writing to take another direction.

But after 30 years of editing, publishing, and teaching — and 53 books of my own — I can tell you this: You'll go a long way before you discover anything as rewarding as writing for young readers.

Your words will never sound as sweet as they do from the lips of a child reading your books and stories. And the joy of creating books and stories that young people 'really like' is an experience you'll never have any where else. (In this age of boob tube illiteracy, convenient morality, and plastic values, do you know of a more important audience?)

A surprisingly big market

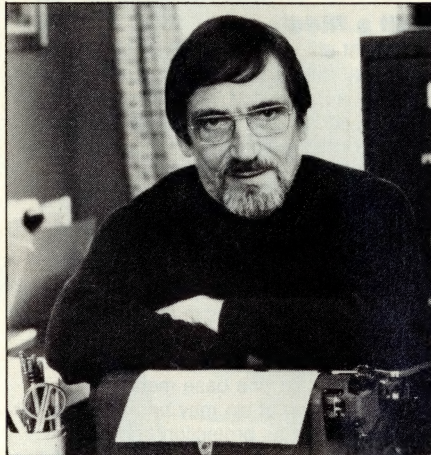
But, that's not all. The financial rewards go far beyond most people's expectations because there's a surprisingly big market out there for writers who are trained to crack it. More than 130 million young people's books are purchased each year. Between 2,000 and 2,500 new titles appear annually and new authors account for as many as half of them.

There are also 250 monthly magazines looking for material for young readers. You can imagine how much writing it takes just to keep them going!

Yet two big questions bedevil nearly every would-be writer: "Am I really qualified?" and "How can I get started?"

'Am I really qualified?'

This is our definition of a "qualified person": It's someone with an aptitude for writing who can take constructive criticism, learn from it, and turn it into a professional performance. That's the only kind of person we're looking for. The reasons are simple: Our reputation is built on success, and if prospective students don't have the earmarks of success, we probably can't help them. And we tell them so. It's only fair to both of us.



Alvin Tresselt was Vice President and Executive Editor of Parents' Magazine Press, the first editor of *Humpty Dumpty's Magazine for Children*, and a board member of the Author's Guild. His 53 books for young readers have sold over two million copies.

To help us spot potential authors, we've developed a revealing test for writing aptitude. It's free, and we don't charge for our evaluation. But no one gets into The Institute without passing it. Those who pass and enroll receive our promise: You will complete at least one manuscript ready to submit to a publisher by the time you finish the Course.

When we teach, you learn

I've learned a lot about writing for children and I love it. Now I'm passing my knowledge on to my students so they can profit from it. When I'm not writing my own books I spend my time at The Institute of Children's Literature, a workshop for writers that does only one thing and does it better than any other educational institution I know of: It trains qualified people to write for the young reader.

This is the way I work with my students, and my fellow instructors — all of whom are experienced writers or editors — work more or less the same way.

When you're ready — at your own time and your own pace — you send your assignment to me and I read it and reread it to get everything out of it you've put into it.

Then I edit your assignment with a red pencil just the way a publishing house editor would — if he had the time. I return it along with a detailed letter explaining my comments. I tell you what your strong points are, what your weaknesses are, and just what you can do to improve. It's a matter of push and pull. You push and I pull and between us both, you learn to write.

The proof of the pudding

This method really works. I wouldn't spend five minutes at it if it didn't. The proof of the pudding is that many of our students break into print even before they finish the Course. Last year we received hundreds of letters like these from successful students: "Before taking your Course, the short stories I scribbled for my two tiny tots never caught an editor's fancy," writes Emily Burns of Salem, Ore.

"My first sale, to *National Catholic Weekly*,

was a Course lesson. Then I sent another Course assignment to a writer's competition and won first prize of \$400!"

"My instructor's advice was invaluable in plotting, character, motivation, and dialogue. I am most grateful for her personal interest and encouragement. Best of all she helped me understand my own strengths and weaknesses and how to emphasize the first and remedy the second. Better instruction hath no man than this!" Elizabeth Henley, New Cambria, Mo.

'Now...I am a writer!'

Marilyn Day of Marissa, Ill. says, "I'm proud of this accomplishment. Now I'm no longer a housewife, I am a writer!"

And Mary Carruth, Dublin, Cal., writes, "I sent out my first article with a prayer and a hope, and it was accepted. Your Course with its structure and support, has been everything I hoped for and needed."

"When I started this Course, I did not really think that I had the ability to write," writes Sister M. Laetitia Mudde, West Haven, Ct., "But my instructor made me believe in myself."

I have a file full of similar letters. People like yourself so full of pride they could easily convince you that indeed it is a pity more people don't take up writing for children.

Free Writing Aptitude Test offered

To find qualified men and women with an aptitude for writing, the Faculty and Consultants of The Institute have prepared a four-page Writing Aptitude Test. It is offered free and will be professionally evaluated at no cost to you by our staff.

Just mail the coupon below to receive your free Test and 28-page illustrated brochure describing The Institute, our Course, Faculty, and the current market for children's literature. If you demonstrate a true aptitude for writing, you will be eligible to enroll.

But that's entirely up to you.

There is no obligation.

The Institute of Children's Literature
Redding Ridge, Connecticut 06876

Dear Mr. Tresselt:

N-24

I am interested in your program to help new writers get started. Please send me your free Writing Aptitude Test and 28-page brochure. I understand I am under no obligation whatever and no salesman will visit.



Mr. Mrs. Ms. Miss

Please circle one and print name clearly

Street

City

State

Zip

Approved by the Connecticut Commissioner of Education

LETTERS

Trickster Treat

The reason your staff couldn't agree on the correct answers for the "Trickster Crossword" (April, page 27) is that they were arguing between two decidedly inferior choices. My friend Polli and I spent some time on it and came up with many improvements. For example:

1-Across: "Sometimes you get a MES—when you try to mix two different things." Your choices were MESH and MESS. Our answer is MESA. This is what you get if you mix a valley and a mountain.

8-Across: "It doesn't pay to be _ASTY when you are questioned by the police." If you're PASTY, the cops might think you're drunk and throw the book at you.

3-Down: "Our beach day was disappointing because we didn't have any _UN." You offered SUN or FUN. How about PUN (if you're into that sort of thing)?

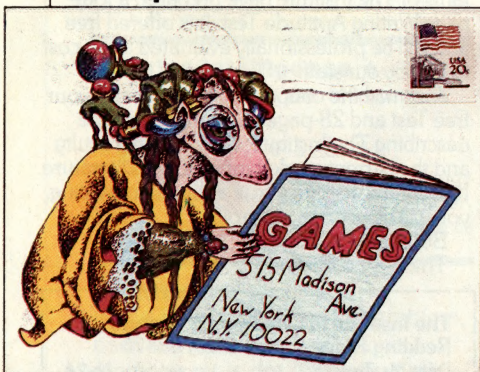
4-Down: "The _RESS hardly covers the starlet's famous legs." I just saw *Hair*, and I'm sure the answer is TRESS.

The puzzle was fun, and I _ANT to see more.

Ralf P. Olio
Stamford, CT

Presumably it's just a coincidence that your name is an anagram of April Fool?—Ed.

Envelope of the Month



Patricia George
Lancaster, PA

Nobody II

Talk about being a nobody ("Nobody's Hall of Fame," April, page 72). In 1968 I received the local Good Government Award. I was given a copper plaque on which my name was beautifully engraved—and misspelled.

Gerald P. Caffrey
Milwaukee, WI

Someone stopped me to ask what the name on my car licence plate—A FRIEND—stood for. When I answered that it was my name he replied dejectedly, "Oh, I thought maybe it meant something."

A. Friend
Los Angeles, CA

Still a Riddle

It is most unfortunate that the Earl of Cork took his riddle's solution to his grave, because it appears that the quatrain is not so much a riddle as a recipe for gold ("The Earl of Cork's Enigma," Wild Cards, February, page 77). The riddle asks:

*Fire and Water mixed together,
Add to this some salt and tin,
Tell me ladies, tell me whether
In this mixture there is sin?*

The elements of alchemy are sulfur, mercury, and salt; the entities in the enigma are fire (sulfur, the stone that burns), water (often used to mean any liquid—here, mercury), salt, and tin (the base metal).

The question of sin may be an appeal for public support as protection from the Church, which considered alchemy sinful.

Although the 19th-century earl may have authored the enigma, it seems likely that the alchemical formula was handed down by Robert Boyle, the renowned chemist and son of the first Earl of Cork.

Norm Moriber
San Diego, CA

In my opinion, the solution to "The Earl of Cork's Enigma" is quite simple:

Fire + Water mixed together = nothing (water puts out fire). Add to this some (or, part of the words) salt + tin = sin.

Ronnie Allen
Alameda, CA

These were among the many letters we received on the conundrum. Readers converted the elements to their chemical symbols, made endless anagrams, and came up with such solutions as "HRH (His Royal Highness) Clean of Sin?" and "smoked oysters." We have no idea if any of them is correct, and the earl, alas, isn't talking.—Ed.

Pente's New Address

Your review in the Games & Books column of *Pente Strategy Books I and II* by Tom Braunlich (April, page 57) listed an old address. Our current address is Pente Games, Inc., P.O. Box 1546, Stillwater, OK 74076, and interested readers should write to us there to order the books.

Janie Harris
Pente Games, Stillwater, OK

A Moveable Feast

We thought you'd be interested to know that our "walking salad bar" costumes, described in your April issue ("Soft Sell," Gamebits, page 13), have been a big success. The first day the costumes were used to promote one of the Arby's Restaurants, salad bar sales were up 65 percent! Designer Cathy Lazar has just completed two chicken costumes for us, and is now working on a hamburger.

David Silver
The Horn & Hardart Co., New York, NY

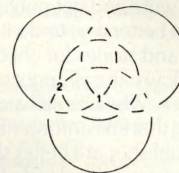
Compulsion

As I sit at home in Maryland, penning this letter by *Gaslight*, I'm *Spellbound* by the *Niagara* of one-word film titles that are not character names, as called for by "Singular Sensations" in your *Maytime* issue (Wild Cards, page 63). Call me *Indiscreet*, a *Psycho*, or even *Berzerk*, but there is one title that must certainly share the *Limelight*: How could you forget *Games*? *Outrageous!*

Diana Gilbert
Salisbury, MD

Around and Around...

"Around in Circles" from Wild Cards (November 1982, page 87) had me going in circles till I fed the problem to my computer. The challenge was to insert the numbers 1 through 12 at the points where four circles intersect, so that the numbers around the circumference of each total 39.



Since there are 10 unnumbered intersections, there are 10! (3,628,800) possible permutations. My computer took a half-hour to check them all, turning out 82 pages of type in the process, and came up with 4,096 solutions.

Dave Dellutri
Evanston, IL

LAUNDRY

If a reader finds a significant error of fact or a mistake that affects the play of a game, and we agree the slip needs to be laundered, we'll print the first or best letter and send the writer a GAMES T-shirt.

Mistakes: May

★In "Extra-ordinary People" (Wild Cards, page 63), you say Richard E. Byrd discovered the North Pole. In fact, when he and Floyd Bennett flew over it in 1926, they found it was exactly where Robert E. Perry had discovered it in 1909.

George D. Hahn
Mooreville, IN

★"Which animal walks on the tips of its teeth?" you asked in "Animal Act" (Wild Cards, page 65), and your answer was the sea urchin. This animal actually walks on its spiny quills.

Terry Masson
Holliston, MA

April

★Easy Clue 103-Across (Ornery Crossword, page 43) asks for the creator of Fritz the Cat, and you say it's Ralph Bakshi. He did the animated movie about Fritz, but his creator is Robert Crumb.

Terrence McCoy
Centralia, IL

EVENTS

If you plan to attend any of these events, write or call to check entry fees, dates, sites, eligibility, etc. Include a stamped, self-addressed envelope with your request.

Adventure and War Gaming Origins '83, the Ninth Annual International Adventure Show, in Detroit July 14-17, features miniature, role-playing, computer, and board games, plus seminars and workshops. Contact: Metro Detroit Gamers, 083 INFO, Box 656, Wyandotte, MI 48192, or call (313) 281-6494 evenings.

• The Sixth Annual Nancon 88 Convention in Houston will offer role-playing, miniature, and board games July 29-31. Cost is \$13 before July 15, or \$18 at the door. Contact: Nan's Game Headquarters, 118 Briargrove Center, 6100 Westheimer, Houston, TX 77057, or call (713) 783-4055.

• The Dungeons and Dragons Adventure Game Camp at Shippensburg University in Pennsylvania will offer sessions July 10-15 and 17-22 for students aged 10-17. Registered campers have use of the university pool, tennis courts, and golf course. Boarders pay \$165; nonboarders, \$95. Contact: Director of Conferences, HH 331, Shippensburg University, Shippensburg, PA 17257, or call (717) 532-1256.

Ballooning American and Canadian balloonists will face sky-high competition in the North American Challenge Cup, July 2-5, over Battle Creek, Michigan. Competition is closed but spectators are welcome. Contact: NACC, Chamber of Commerce, 172 W. Van Buren, Battle Creek, MI 49017.

Checkers For the first time in 56 years, the top 10 European checker masters will cross the Atlantic to vie with their U.S. counterparts for the International Trophy, July 11-15, at the International Checker Hall of Fame in Petal, Mississippi. The state's Open Tournament follows, July 16-18. Contact: International Checker Hall of Fame, P.O. Drawer A, Petal, MS 39465, or call (601) 582-7090.

Cribbage The Third Annual Beer City Open will take place July 2-3, at the Marriott in Milwaukee, Wisconsin. Winners receive cash prizes; losers may lift their spirits at a consolation tournament the final day. Contact: Beer City Open, Box 153, Greendale, WI 53129, or call (414) 421-3469.

Juggling The 36th Annual International Jugglers' Convention, July 20-23 at the State University in Purchase, New York, features juggling (jogging while juggling), unicycling, and individual acts. Special housing rates are offered by the university. Contact: Gene Jones, International Jugglers' Association, Box 383, New York, NY, 10040, or call (212) 781-1440.

Scrabble Novice, intermediate, and expert players are invited to the Third Annual Detroit Club Scrabble Tournament, July 16-17, in Detroit. Losers can still spell trouble, since in the "Swiss" pairing system no one is eliminated. The fee is \$12. Contact: Scrabble Tournament, 6825 Middlepointe, MI 48126, or call (313) 582-6874.



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GAMEBITS

Edited by Curtis Slepian

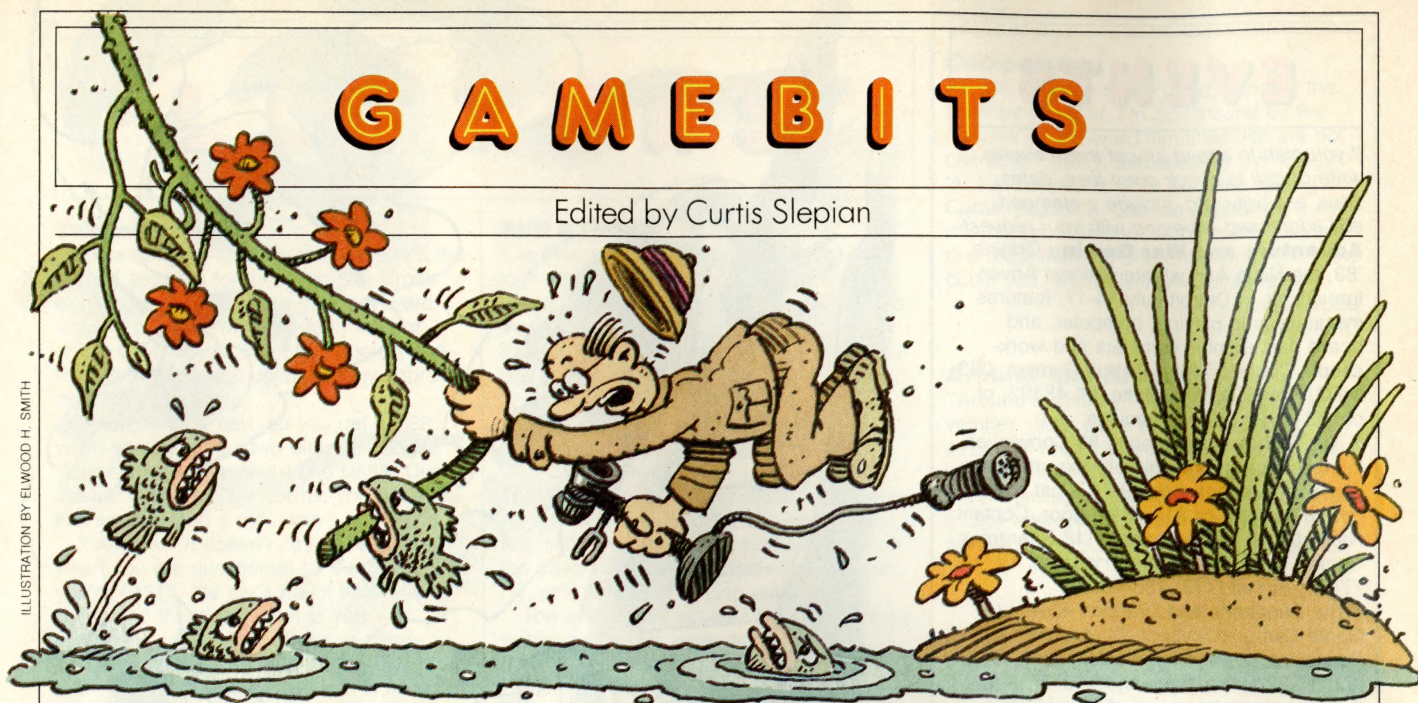


ILLUSTRATION BY ELWOOD H. SMITH

"Sorry, The Lion Bit Your Head Off, Tune in Tomorrow"

"You have just landed on the beach and are trying to reach the volcano that houses the secret laboratories of Dr. Dread, a psychotic genius who is creating subhuman mutants with which he plans to take over the world. Your mission is to destroy the lab, the mutants, and Dr. Dread."

No, it wasn't James Bond who received this challenge, but listeners to *Adventure Hour*, a radio show that asks callers to take part in role-playing games on the air.

The launching of this participatory series on station WRNG in Atlanta was masterminded by Dan Ackerman, manager of a local game store called Sword of the Phoenix. Ackerman and the store's own dungeon master, Jim Hester, created the scenarios for different adventures, complete with hazards like creaking trap doors, cauldrons of boiling acid, man-eating apes, fire-breathing dragons, and laser-armed space creatures.

After the show's host sets the scene, the caller chooses his role. In "Island of Dr. Dread," for instance, he could be James Bond, Indiana Jones, or a U.S. marine. The host then guides the caller through an imaginary terrain bristling with dangers to be overcome by cool-headed logic. In one story, five consecutive callers "died" when they entered a room full of deadly gas; the sixth thought of

punching holes in the door to let the gas escape. In another, a player waded across a stream without first testing the water—it was full of piranhas. The next player swung across the stream with his bullwhip, Indiana Jones-style.

Recorded sound effects are used to add realism. In one show, the rattle of skeletons was created by running dowel rods across a louvered wooden vent. And in a space yarn, a tape of President Eisenhower's first satellite radio broadcast was played in reverse to simulate alien lingo.

Each player is allotted five minutes to venture boldly forth—if he perishes before his five minutes are up, the next caller is punched in. For each day's program, judges award a \$50 gift certificate from Sword of the Phoenix to whomever has survived longest or most gracefully under pressure.

According to Ackerman, the station has been "swamped" with quick-witted callers, many of whom had never played the Dungeons & Dragons type of games. Not surprisingly, they also hear from phone-in pranksters: When a caller was told by the dungeon master that the room he was in had animal heads mounted on the wall, the caller said, "No it doesn't!" After a brief on-air debate, listeners heard the recorded scream of a man falling 400 feet. "Sorry," said the dungeon master, "we make the rules."

Unfortunately, they don't make the station's policy. Recently, WRNG became an all-news station, and *Adventure Hour* must look for a new broadcasting home. But, encouraged by the popularity of these live, sus-

pense-filled dramas, Ackerman has branched out with a series of 14 one-minute call-in adventures for national syndication this fall. Game lovers in every state should keep their ears open and dials tuned to local stations.

—Maryan Smith McNaughton

Bloopers of the Month

—submitted by Carolyn Schmitt, Dresher, PA; Eric Cook, Prince Edward Island, Canada; David Crutcher, Birmingham, AL; and Carol Liebfried, Columbia, PA.

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Painting by Binary Numbers

In the 1960s Harold Cohen had a worldwide reputation as one of England's most distinguished young painters. But despite his success, he felt he didn't know enough about the things that were most important to him—why and how he did what he did.

In 1968 Cohen came to the University of California at San Diego. He learned computer programming from an acquaintance, and with the help of



A microchip masterpiece by AARON

computers was able to begin "to investigate the nature of art itself."

Understand a creative process through a computer? If that sounds unusual, it's because Cohen's computer program, AARON, unlike other computer art programs, is instructed in the process, rather than the specifics, of drawing. As a result, each drawing AARON creates (using a drawing table) is utterly original.

Recently, at the Brooklyn Museum in New York, Cohen exhibited both AARON's drawings and AARON itself, a washing-machine-size computer to which were attached four styluses, each capable of turning out three drawings an hour. AARON is governed by rules that pertain to the way forms exist together in the visual world, but beyond that is on its own. It knows, for instance, that a solid form should not be obstructed by another. It can emphasize a shape's edges, alter the density, add independent details, create harmony within complex compositions, and has a notion of when a drawing is complete.

But Cohen has grander designs for AARON. In five years, when the program will "know a great deal" about image-making, he will add a "self-modifying" program that will allow AARON to search its memory of old drawings to find new ways to solve problems—a process of creative association akin to that of humans.

AARON's results are impressive—attractive abstract forms that seem to

be, says Cohen, "conversational, narrative things." Cohen, who has not done a hand drawing in 10 years, says people see all kinds of things in AARON's work: people, birds, rocks, mountains. "One man found the Arabic name of God plastered all over one drawing," he reports, "and somebody else spent a lot of time explaining why another drawing had to be a Creation scene . . . as if he were looking at a painting from the Vatican collection. Except, of course, he was making it all up," because AARON doesn't know the Creation from Adam.

"One wonders," muses Cohen, "if maybe the art historians make theirs up too."
—Susan Kane

Deskathlon

With the Olympic theme song playing in the background, a fleet-footed torchbearer ran past assembled throngs and onto the field while nearby, athletes flexed their muscles.

But the Olympic torch was made of flame-colored timecards, the field was a Chicago hotel room, and the muscles were flexing to lift happy-hour cocktails. This was the Office Olympics, an event designed to grab the 9-to-5 crowd by their white collars. Organized by Meir Sered, a mail-order consultant and self-styled "fun-raiser," the Office Olympics is a series of competitive games testing on-the-job skills that don't often show up in personnel files. (And you thought GAMES was just kidding when we proposed the "Desk Jockey Olympics" a few years ago.)

Nearly 200 eager entrants showed up at the Hotel Continental after work one Friday to vie for titles in five officious events: Coffee Cup Carrying, Hat Rack Tossing, Speed Swivel-Chair Spinning, Paper Airplane Flying, and Wastebasketball. The participants—including accountants, architects, secretaries, engineers, copywriters, bank tellers—spilled out onto the floor for the first event. "It's Monday morning," announced Sered, "the boss is on your case, and you have three cups of coffee to get to the boardroom right away."

"My boss is a slave driver," said one contestant, getting ready to carry the three steaming cups a distance of 20 feet. "I just want to know that *somebody* appreciates me."

Soon cheers went up as the next group of office athletes tossed hats eight feet onto a hat rack. "It's all in the wrist," one noted. Next, 12 swivel-chair spinners spun at dizzying speeds. The record: 24 revolutions in 30 seconds.

Two referees offered themselves as paper airplane targets. Said one pilot, "We fly planes over the partitions at work all the time. We used to throw footballs until they made up stop."

Meanwhile, hotshot wastebasketball players wadded up pieces of typing paper and tried to imitate Abdul-Jabbar's sky hook, banking the wad off the back wall and into the can.

And amid popping flashbulbs, clinking glasses, and shimmering golden trophies, one person was overheard to utter the true credo of the Office Olympics: "Thank God it's Friday."

—Judy Lin

Presti-Digit-Ation

These and other five-finger exercises appear in two Italian "children's" books by Mario Mariotti, *Animani* and *Umani*. With little more than paint and

his hands, Mariotti can invent anything from a rooster and a giraffe to a symphony orchestra. The soft-covered books are \$12 each and are available in the U.S. exclusively from Sointu, 20 E. 69th St., New York, NY 10021.

—C.S.



European Tour



Six couples—the Rosens, the Quinns, the Palmers, the Oglethorpes, the Newkirks, and the Morgans—departed via different flights from New York's Kennedy International Airport one morning not too long ago, each of them bound for a long-anticipated European vacation.

The wives (not respectively) are Lois, Kate, Jessica, Ingrid, Helen, and Glenda. Their husbands are (again not respectively): Fred, Edward, David, Charles, Bertram, and Alan.

These 12 individuals have all achieved a fair measure of success in their respective fields. They are (in no particular order) a photographer, a newspaper columnist, a college professor, a magazine editor, a high school principal, a novelist, a professional golfer, a physician, a television scriptwriter, a public relations director, a fashion designer, and a psychoanalyst. Of course, all of these careers can be pursued by members of either sex.

From among six countries—Denmark, England, France, Italy, Norway, and Spain—each couple elected to visit four, spending exactly one week in each. No two couples visited the same four countries or spent the same week in any given country.

Here are additional tidbits about the people and their travels that should enable you to (1) match up the first and last names of the six husbands, (2) link up each wife with her husband, (3) name the occupation of each of the 12 individuals, and (4) name the country visited by each couple during each of the four weeks. So, tighten your seat belt . . .

1. The first week found Edward in Denmark, the high school principal in England, the fashion designer in France, Ingrid in Italy, the Oglethorpes in Norway, and the psychoanalyst in Spain.

2. Alan visited England, France, Italy, and Spain, not necessarily in that order.

3. Denmark was visited in succession by the photographer, Jessica, Bertram, and the college professor.

4. Charles, Helen, and the college professor are three of the four people who did not visit England.

5. Glenda was in Norway after the magazine editor had been there, but before either the Newkirks or the psychoanalyst.

6. Fred and his wife limited their picture-taking to black-and-white stills; the Rosens shot color slides exclusively; and the magazine editor and spouse took only movies. Ingrid and her husband were the only couple who didn't take at least one camera on the trip.

7. Mr. Palmer, the psychoanalyst, the photographer, and Lois all visited Norway, not necessarily in that order. No two were there during the same week.

8. Kate and her husband took both still shots and movies in Denmark, France, Italy, and Spain, though they did not necessarily tour the countries in that order.

9. The PR director and spouse got a beautiful color slide of Queen Elizabeth leaving Buckingham Palace to address Parliament. The following week they were so engrossed in further picture-taking that they barely made the flight back to New York.

10. The novelist, the golf pro, and Fred are three of the four people who did not visit Denmark.

11. The scriptwriter visited Denmark, England, Italy, and Norway though not necessarily in that order.

12. Just before they reached the midpoint of their trip, Helen and her husband finished up their last roll of movie film on the top of the Eiffel Tower and they had to record the rest of their travels via stills.

13. England was the last country visited by the novelist and spouse. It had previously been visited, though in no particular order, by Mr. Rosen, Glenda, and Bertram, all at different times.

14. During the week that the newspaper columnist and spouse were in Norway, Lois was in Denmark, Fred in Italy.

15. Spain was visited, in no particular order, by Charles, Jessica, Mrs. Morgan, and the newspaper columnist, no two of whom were there at the same time.

16. Helen went to Norway the same week that the physician was in France.

17. Mrs. Newkirk and the photographer did not tour Italy.

18. The newspaper columnist, the golf pro, and the magazine editor are of the same sex.

19. Alan and the physician are not of the same sex.

20. France was the final country on the golf pro's itinerary.

21. The PR director and the high school principal are of the same sex.

Answer Drawer, page 66

Al B. Perlman is a freelance public relations writer and mischievous puzzle creator. This puzzle first appeared in "Intellectual Digest," July 1972.

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MINI-CROSS

Construct a 5 x 5 crossword puzzle using all different letters, leaving as few blanks as possible.

In an age of miniaturization, when automobiles, computers, and even some waists are getting smaller, we thought it appropriate to present a crossword puzzle contest that is as compact as possible.

The challenge is to fill in as many of the squares of a 5 x 5 grid as you can, with one letter per square, to form words reading as in a crossword puzzle: horizontally from left to right and vertically from top to bottom, with no combinations of consecutive letters that do not spell a word. As in a crossword, all the letters must be connected by an unbroken path of other letters. But—here's the catch—you may not use any letter of the alphabet more than once.

Acceptable Words To be acceptable, a word must be recognized by Webster's Third New International Dictionary (Unabridged), where the word must either be listed in boldface or be an inflected form of a boldface entry. Comparative and superlative forms of adjectives are acceptable only if specified after the boldface entry; but noun plurals and verb forms are acceptable if merely implied by the inflectional patterns of related words. Words may contain apostrophes or accent marks, provided they appear that way in the dictionary. A word is unacceptable if it: (1) is composed of two or more component parts separated by a space; (2) contains a hyphen or period; (3) is designated only as capitalized or usually capitalized; (4) is listed only as an ab-

breviation or symbol; (5) appears only in the Addenda.

Scoring Your score will be the number of letters placed in the grid. The grid shown below left, for example, would score 13 points, one for each of its letters. Each letter is counted only once.

Winning The entry with the highest score wins. Ties, if any, will be resolved in favor of the entry whose letters come last alphabetically. For example, an entry with the letters ZYUTSRONIGECA would defeat any entry of the same length that did not contain both a z and a y, but it would lose to an entry that also contained a w. Remaining ties will be broken by random drawing.

Entering Fill in the entry blank below, or a facsimile, being sure to include your completed grid. You may enter as often as you wish, but each entry must be mailed separately. On the back of your envelope, write your score and circle it.



Sample Entry

Clip or copy this coupon and mail to:
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My score is _____
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Entries must be received by June 1, 1983.



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Kings, 2 mg. "tar", 0.2 mg. nicotine; 100's, 4 mg. "tar",
0.4 mg. nicotine av. per cigarette, FTC Report Mar. '83.

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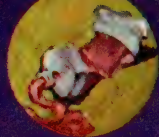


A SLEDGE HAMMER DETECTIVE STORY

★★
The
UNKINDEST
CUT
BY
**CURTIS
SLEPIAN**

IT WAS A COLD STARRY NIGHT AND I'D BEEN TAILING Vincent van Gogh for hours. At 3 A.M. I slid into a doorway and watched him lurch across the Place Lamartine toward his yellow frame house, fumbling for his keys. The next thing I saw was a searing white flash of pain—someone had slammed me in the kidneys. When I doubled over, I got sapped behind the ear. As the ground rushed up to meet my face, I realized this case wasn't going to be a snap.





The case really began in the future, in 2043. I was in O'Reilly's Bar & Grill in San Pedro, slugging down boilermakers and trying to remember what a dame's kiss felt like, when I got a holo-call. There must have been a bad connection, because the caller's nose was the only image floating in the darkened booth.

"Mr. Sledge Hammer?"

"Who wants to know?"

The caller chuckled nervously. "I'm Dr. Ralph Minder. I'd like to talk to you about a job—in person."

For a Historical Investigator, I hadn't done much investigating lately. Since clearing up the mysteries of Chappaquiddick and Atlantis six months ago, I could count my time-hops on one finger. Too many cheap time machines from the Orient were ending up in the hands of unlicensed ops. But maybe my luck was changing. Ralph Minder was a rich shrink who treated the Rodeo Drive crowd. Apparently you could get a nervous breakdown choosing between a Mercedes and a Rolls.

Half an hour later I pulled into Minder's driveway, in a canyon above Malibu. Minder was sitting behind a desk at the end of a corridor about as long as the San Diego Freeway. He was dressed in a blue jogging suit, munching on a soy bar. I knew his kind, though—a closet steak eater.

"Make yourself comfortable, Mr. Hammer . . . no, in the chair. Good. I'll get straight to the point. I'm preparing an important lecture for the Beverly Hills Psychiatric Institute on the neuroses of Vincent van Gogh. Central to my talk is how he symbolically rejected his parents by cutting off his ear, so I want you to observe his behavior right before and after the act."

"You want me to shadow some nutcase of a French painter?"

"Just make sure you see him cut off his ear."

It sounded screwy, but it was his money. In fact, it was a *lot* of his money—the check he handed me had just the right number of zeros.

Before going to sleep that night, I snapped on the French slumber-Berlitz and woke up with a frog in my throat. After showering, I used part of Minder's retainer to bail my time machine out of the repair shop, then drove to the office. Velveta, my compu-secretary, didn't answer my hello. When I punched her back into the office mode, she sounded shaky.

"It just so happens I was interfacing with a cute Bank of America auto-teller. Can't a girl get any privacy around here?"

I had no right to it, but I felt a twinge of jealousy. "I've got work," I said.

Velveta's sensor watched me slide my .45 into my shoulder holster and her voice softened. "Be careful, Sledge." I winked. I didn't expect any rough stuff on this job, but I'd sooner leave my left lung behind than my gat.

I set the machine for the afternoon of December 24,

1888, hopped in, and pressed the usual buttons. A second later I was staring out into a misty swamp at a 50-foot tyrannosaurus that was one dinosaur stride from making me its brunch. I'd have to have a long talk with that repairman. I hit fast forward and was instantly in Arles, in southern France.

Luckily, I materialized in a deserted warehouse. I shoved the machine into an empty crate and tried to fight off a bad case of time lag. Finding van Gogh in this two-bit town was a cinch. A shopkeeper told me that he

**A knife flashed
in Gauguin's
hand. I'd lose
my time-
traveling
license if I
butted in and
changed history.**



ILLUSTRATIONS BY CARTER GOODRICH

and his sidekick Paul Gauguin were probably getting loaded right now at a nearby bistro.

Café de Nuit was a dump. I ordered a double absinthe, straight, and sat down within earshot of the two painters. They were finishing their first bottle of wine, and at that jolly point each thought the other should be hanging in the Louvre.

"Ah, Paul, no one can paint from memory the way you can."

"And you, Vincent, have brushstrokes unequaled since Rembrandt."

Four bottles later, each thought the other should be hanging, period.

"You let the dishes pile up again, Paul."

"It was your turn to wash them, Vincent."

"And I'm sick and tired of your borrowing my money."

"It's not your money—it's Theo's. If you could ever sell a painting, you wouldn't have to leech off your own brother."

"I won't pander my talents."

"What talents? You must be crazy."

Van Gogh picked up a glass and heaved it at Gauguin. When he ducked it hit me in the eye. I put a hammerlock on my temper, calming down long enough to notice a dapper, foreign-looking man with a big cigar and a beard staring hard at van Gogh. So I wasn't the only person interested in the painter. The rest of the afternoon I kept my eyes on van Gogh's ear, ready to take notes every time he so much as tugged at a lobe. It was a lousy way to spend Christmas Eve.

That night, the happiness boys hit the bars again, finally ending up at Gaby's, an after-hours joint where a girl's company comes cheap. I waited outside, twiddling

my thumbs and dreaming about chili dogs, until they left around 2 A.M. While reeling down the block, they got into another argument. Suddenly, a knife flashed in Gauguin's hand. I stood frozen, helpless. I'd lose my time-traveling license if I butted in and changed history. But van Gogh knocked Gauguin down with a sneaky jab and started running like a madman. He gave me a grand tour of Arles before beating it back home. That's when someone snuck up behind me and lowered the boom.

On Christmas morning I woke up in the doorway with a lump on my head the size of a navel orange to go with my black eye. I'd always heard they were tough on American tourists here. Across the street some gendarmes were gathered around van Gogh's house. Great. He must have cut off his ear, and I'd missed it. Minder would blow his stack. I rushed over, flashed my "L.A.H.I." card, and sailed by the hick cops.

Upstairs, the color scheme of van Gogh's room was red—blood red. There wasn't much to look at: a few paintings and books, a dressing table, a terra-cotta bust signed by Gauguin and newly chipped. The chips were lying on the floor by the narrow wooden bed. I opened the table drawer and found two letters. One, unfinished, was addressed to Toulouse-Lautrec: "Dear Henri, I'm sorry about our little row." The other was from Theo van Gogh: "Vince, now that I'm about to tie the knot, I can't keep supporting you. If only you'd paint something more commercial. Take lessons from Gauguin. If it weren't for his work, my gallery would be in the red. Try some pictures of pretty girls instead of those boring sunflowers. Please don't turn a deaf ear to me anymore, or I'll take stern measures." I was glad to be an only child.

Downstairs, a neighbor with a nose like a ripe tomato, big ears, and a loose tongue said that, according to the cops, van Gogh had had enough strength after the slice-job to drag himself over to Gaby's to talk to a girl named Rachel. Then he'd staggered back home, and in the morning the cops had taken him to a local hospital.

"Ear today, gone tomorrow, eh?" the neighbor chuckled. The French they are a funny race. As for Gauguin, tomato-nose said he had blown town without even dropping in on his buddy.

In the daylight, Gaby's looked even more dilapidated than most of the girls inside. The ground in front was freshly torn up and looked as if the army of the Third Republic had just marched through. Maybe it had. A guy named Louis answered the door.

"I'd like to speak to a broad named Rachel."

"I don't care what you do with her, just so's you got the dough."

"You've got a lot of Gaul, punk." I pushed him aside, strolled in, and asked one of the girls to point out Rachel. Rachel didn't hold anything back—she wasn't the type.

"Around three in the morning, someone knocked. Louis was in the back, so I answered. It was van Gogh, his whole face covered by a scarf and hat. He laughed and handed me a little box that read, 'Merry Christmas, from Vincent.' I saw the ear inside and fainted."

"If his face was covered, how'd you know it was van Gogh?"

"Who else could it have been?"

"Where's the ear?"

"I don't know. It wasn't there when I came to."

"Thanks."

"Anytime. And I mean *anytime*, handsome."

She was easily the best-looking thing I'd seen in a century and a half, but I just grinned and left with my virtue intact.

Hospitals aren't my cup of carbohic acid, but I rented a horse and cart and visited van Gogh anyway, posing as a reporter from the Arles *Matin Midi*. He was wearing a straitjacket and his hair was very red against the white pillow. Leaning over him was his brother Theo, who was assuring Vincent that he'd have plenty of time to paint in a "rest home." Next to Theo was Dr. Rey, van Gogh's surgeon. He had a waxed mustache and a high-pitched giggle, and I wouldn't have trusted him to take my temperature. While Rey was adjusting the bandage over the spot where van Gogh's left ear used to hang, I noticed a fresh bruise and a big lump on the side of the paint-slinger's head. I approached the bed and mentioned the bump to van Gogh, but his mind was a blank canvas.

"I don't remember hitting my head or lopping off my ear or anything about last night." He was pale and confused. "I just want to paint again, but something's wrong with my vision—everything looks so wavy."

Before I left I grilled Rey on his whereabouts the previous night. The surgeon said he had been on call, then clammed up. As I passed the front desk, I noticed the



**Van Gogh was
pale and
confused.**

**"Something's
wrong with
my vision—
everything
looks so wavy."**

cigar-smoker from the Café de Nuit. When he saw me, he quickly turned away.

The ride back to Arles was almost as slow as an L.A. express bus, but I needed time to think. Van Gogh was one mixed-up guy. But was he loco? So many questions nagged me I felt like a henpecked husband: What about the lump on his head and the bump on mine? And

most important of all, where the hell was his ear?

After dusk I decided to pay a house call on Dr. Rey at Rue de Fou. Through his half-opened curtains I could see Rey holding a small bottle up to a candle and giggling. With a smile still plastered on his face, he put on his coat and left the house. Ignoring an uneasy feeling that I was being watched, I jimmied open the door. In the study the flickering candle glinted off a shelf of glass jars. Inside each, swimming in formaldehyde, were parts of human anatomy, all neatly labeled: Pascal's brain, Napoleon's thumb, Flaubert's toe. Rey must have hoarded these things the way other people collect butterflies. Sick. The bottle on the desk held a man's ear nearly hacked into two messy, ragged pieces. When I read the label my skin crawled like a nest of tarantulas: "V. G."

The next morning, the hospital staff told me Rey had left for an anesthesiologists' convention in Paris. The case wasn't cut and dried anymore, and Arles was a dead end for clues. I'd have to travel north.

The railway station was about a hundred yards from Place Lamartine. Before boarding the train, I quizzed the stationmaster, but he hadn't noticed anyone or anything unusual in the last few days. As the steam engine pulled away, billowing smoke clouded my window. For the entire trip I was in the dark.

That evening the train pulled into the Gare de Lyons. Jumping to the ground, I spotted the cigar-smoking man disembarking two cars down, but the crowd swallowed him up. What was his game? I put him out of my mind and concentrated on finding Toulouse-Lautrec. An omnibus took me to the Moulin Rouge, a swanky nightclub in Paris's baddest *arrondissement*. From the cut of my clothes, the snotty doorman figured I didn't know chic from shinola. But the cut of my .45 impressed him. He stammered that Lautrec hadn't been around for a while, that he was probably at the circus.

The pint-size painter was there all right, sketching some clowns. The ring was swarming with them, like gnats—they were hanging from trapezes, walking on stilts, pulling each other about in little carts. Lautrec himself wasn't much bigger than a breadbox. In fact, he barely reached my belt, which is why he and all the midget clowns seemed to be good pals.

"What are you looking at?" the little guy spat at me.

"I'm van Gogh's doctor. My patient cut off his ear and I want your impressions of his mental state."

"I'm no Impressionist." A real wise guy. "Vincent was so high-strung I'd been expecting something like this. Now excuse me, I want to finish my drawing."

"Funny, I'd have guessed you'd have a knack for small talk." Lautrec swung but missed my nose by three feet. I laughed all the way back to my hotel.

The next morning I caught up with Theo at Avenue d'Oreille. A sign in front of his gallery read "Original van Goghs. Prices slashed." Theo was more upset about my questions than about his brother. "He just drinks

too much. Besides, news of the mutilation might help me move some of his pictures." Blood is thicker than water, but it's not thicker than a wad of francs. I'd spent my share of time in the deep past and had no illusions left about people—if I had any to begin with.

Rey's anesthesiologists' convention was being held at the Ritz. I broke into Rey's suite just as he was about to drop a water balloon out the window. Some jokester. I told him what I'd discovered in his house, and he stopped giggling pronto. Rey claimed the "V. G." label

"Funny, I'd have guessed you'd have a knack for small talk." Lautrec swung but missed my nose by three feet.



on the bottle containing the ear stood for Victor Gurney, a man he had unsuccessfully operated on two years before. No matter how persuasive I was, Rey wouldn't change his story. He could handle pain.

Gauguin was the last man on my list. He was at the Moulin de Galette, a hangout for guys who called themselves artists. Deadbeats too lazy to work is more like it. On stage, cancan dancers were doing a good imitation of field-goal kickers, except they didn't need any padding. Gauguin was sitting by himself, muttering.

"My name's Hammer. I'm a private dick, doing some legwork for my client, Vince van Gogh. You know he cut off his ear?"

"Yeah, I heard."

"The cops think he's insane. What do you think?"

"Sure, he's balmy. Lots of artists are. Lautrec's another. See that guy over there—Seurat? He's dotty, too. And you know what drives them crazy? Jealousy! They all envy my genius."

While Gauguin rattled on, he started to sketch on the tablecloth a profile of van Gogh gazing to his left at some doll in a skimpy sarong.

"How come you lammed it out of Arles so fast?"

"Draw your own conclusions, chum."

On the white cloth the picture was finished, down to the nub of flesh where van Gogh's ear would have been.

Outside, snow was beginning to fall. I trudged along the Pont Neuf munching on a croissant, thinking, thinking. Did van Gogh really cut off his ear? The question stabbed into my brain like a blunt palette knife. Listening to the sound of the Seine, an idea began to take shape, and in a flash the picture became all too clear. An ear-chopping psycho was loose in Paris, and I was the only man who could find him. *Answer Drawer, page 56*

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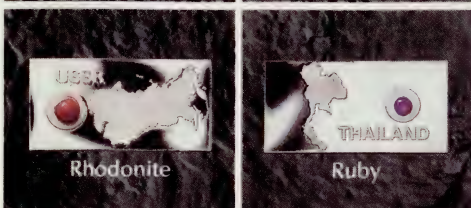
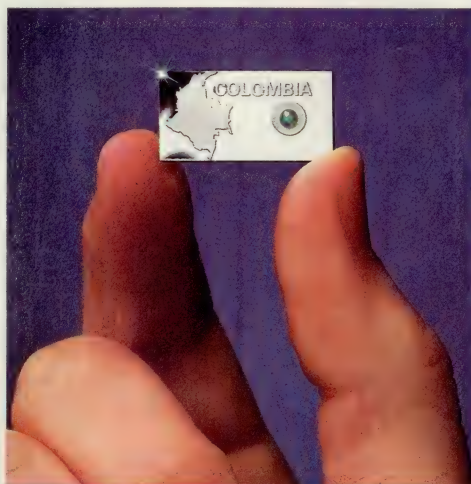
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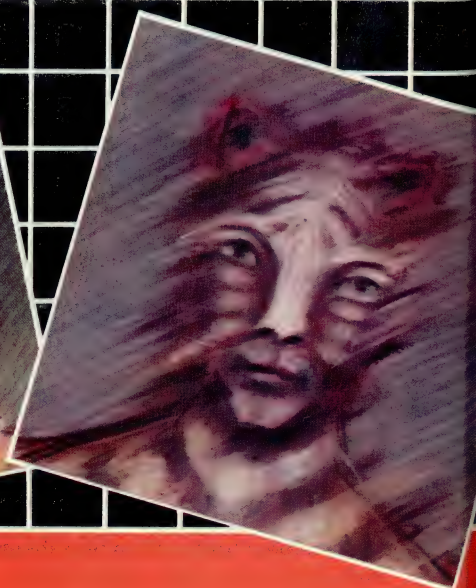
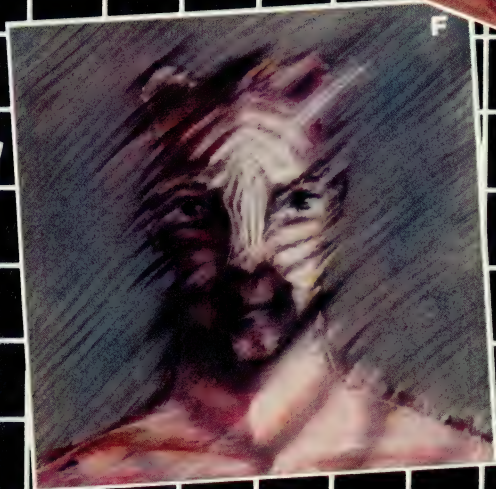
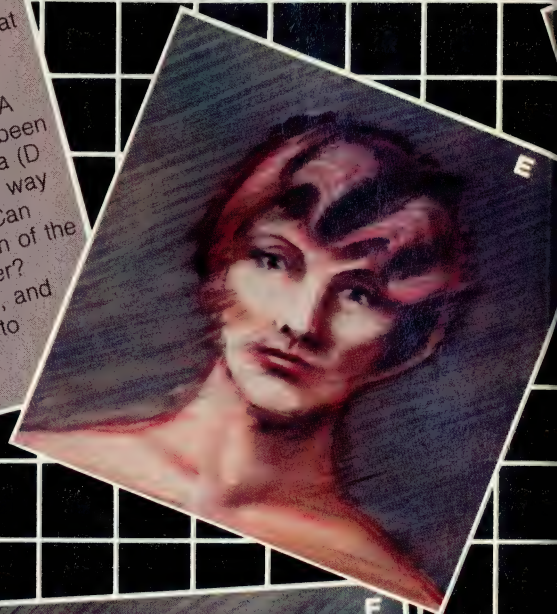
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METAMORPHOSIS

A SEQUENCE PUZZLE ★ BY SCOTT REYNOLDS

We've always suspected that men and women are of a different stripe, and this puzzle seems to prove it. A man and a woman (A and O) have been transformed into a tiger and a zebra (D and Q)—but somewhere along the way we lost track of who was which. Can you figure it out by arranging each of the two sequences in its proper order? Each sequence has nine stages, and one of the pictures is common to both sequences.

Answer Drawer, page 68





HAIL *to the* CHIEFS

By Gus McLeavy

W

What kind of men were the leaders of our country? They were a mixed bag of pampered egotists and rough-hewn commanders; strong, silent types and loud, profane yahoos who often loved power more than they loved the First Lady.

Below are some facts about 15 U.S. Presidents. For each there are four clues (A-D), in descending order of difficulty, that reflect the character of one of our country's leaders, and a fifth clue describing events that occurred during his Presidency. Can you name these fearless leaders?

Answer Drawer, page 66

SCORING: The fewer clues you use, the better. Give yourself five points if you get the correct answer on the first clue, four if it takes you two clues, and so on.

51-75	Prez
36-50	Veep
21-35	Mugwump
20 or less	Party Hack

Gus McLeavy, author of "The Bathroom Almanac," is a humorist with a fondness for trivia.

- 1
- A. Zane Grey novels were among his favorite reading matter.
 - B. His White House bedroom boasted a pink headboard.
 - C. This West Point grad cut his wedding cake with a sword.
 - D. The heart attack he suffered caused the sharpest drop in the stock market since the Great Crash.

During his term Dr. Jonas Salk's polio vaccine was made available; Grace Kelly married Prince Rainier III of Monaco; Alaska was proclaimed the 49th state.

- 2
- A. He survived an assassination attempt by an insane housepainter who believed himself to be rightful heir to the English throne.
 - B. He was the first President to marry a divorcée.
 - C. He carried a dueler's bullet an inch above his heart for 42 years.
 - D. On his inauguration day, he opened the White House to hordes of supporters, causing such a crush that he had to be rescued from the mob by aides.

During his term A practical reaper was invented by Cyrus McCormick; the first American daily newspaper—*The Sun*—was published in New York; the Kingdom of Saudi Arabia was established.

- 3
- A. A physical fitness enthusiast, he asked his entire White House staff to lose weight.
 - B. He was the first President born in the 20th century.
 - C. He disliked hats and refused to be photographed wearing one.
 - D. He was the only President to have won a Pulitzer Prize, for a book of American history.

During his term John Glenn orbited the earth three times; Clark Gable made his last movie, *The Misfits*; the Supreme Court ruled that prayers in school were unconstitutional.

- 4
- A. He engaged a Japanese jiu-jitsu expert to give him lessons at the White House.
 - B. To work off excess energy, he ran around the Washington Monument.
 - C. The executive mansion was called just that until this man had "White House" inscribed on his stationery.
 - D. At 42, he was the youngest man ever sworn in as President.

During his term Boston defeated Pittsburgh 5-3 in the first baseball World Series; the most disastrous earthquake in American history occurred in San Francisco; the canal treaty with Panama was signed.

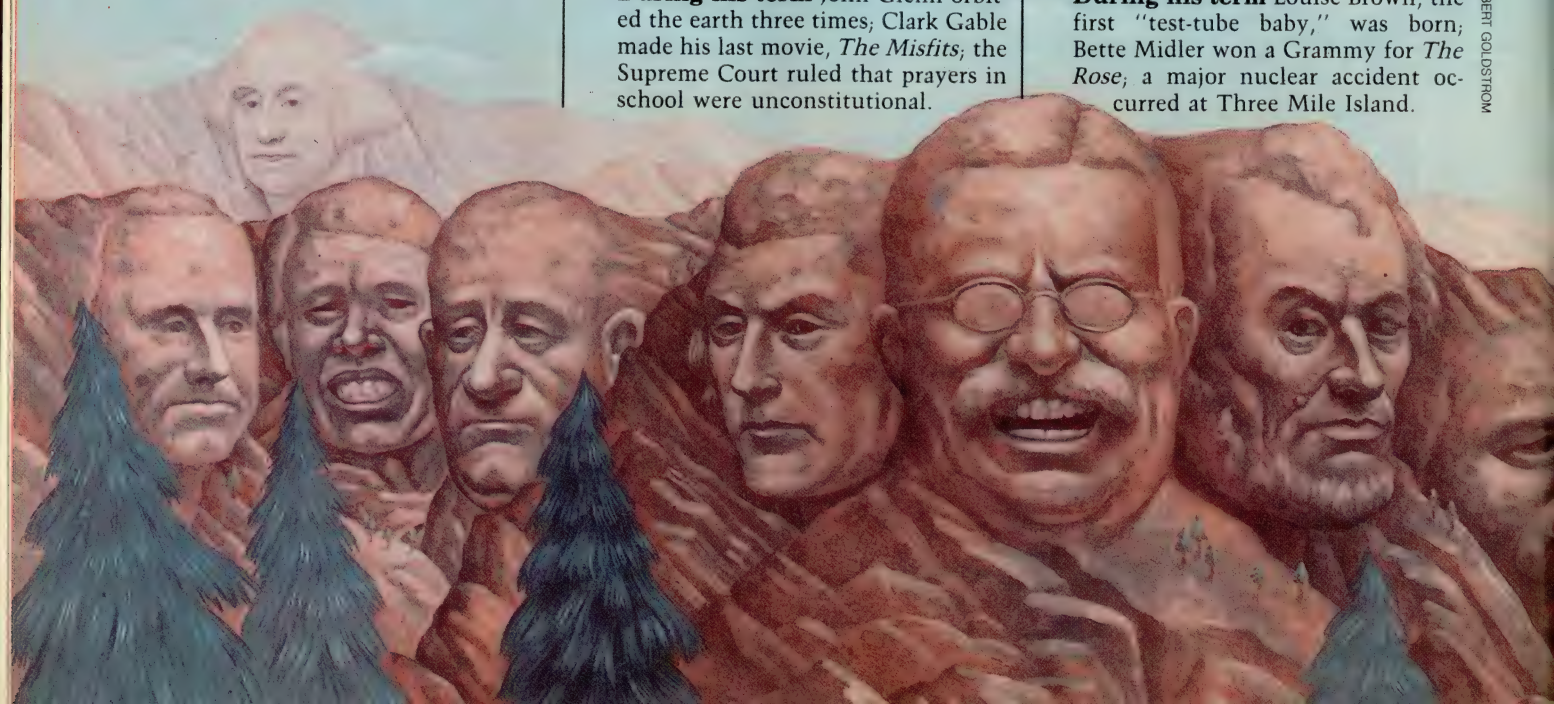
- 5
- A. He was known as the best horseman and most progressive agriculturist of his day.
 - B. His relationship with his wife remains a mystery because she burned their correspondence shortly after his death.
 - C. A strapping man standing over 6 feet 2 inches tall, he had gloves specially made for his enormous hands.
 - D. Smallpox left his skin pockmarked, but it also left him immune to this disease that later ravaged his army.

During his term The cotton gin was invented; the U.S. silver dollar was issued; the Bill of Rights took effect.

- 6
- A. His father called him "Hot," as in "Hot Shot."
 - B. He and his wife once lived in a \$30-a-month apartment in their hometown public housing project.
 - C. He was only 5'3" when he entered college but had grown to 5'10" by graduation.
 - D. He was the only President to be inaugurated using his nickname.

During his term Louise Brown, the first "test-tube baby," was born; Bette Midler won a Grammy for *The Rose*; a major nuclear accident occurred at Three Mile Island.

ILLUSTRATION BY ROBERT GOLDSTROM



7

- A. As a young man he worked in a gas station, on a farm, and as a carnival barker.
 - B. He once said, "It takes an awful lot to embarrass me."
 - C. Although he didn't enjoy dancing himself, he was elected student body president in college by promising to allow dancing on campus.
 - D. He was the only man twice elected Vice President and twice elected President.
- During his term** The Woodstock rock concert was held; Neil Armstrong became the first man to walk on the moon; abortion was legalized.

8

- A. He wrote a movie script based on the life of John Paul Jones, but failed to sell it to Hollywood.
 - B. His mother was the first woman able to vote for her son in a Presidential election.
 - C. At his death, the sale of his personal stamp collection brought in more than \$200,000.
 - D. He was the first President to appear on TV.
- During his term** The laundromat was invented; Charlie Chaplin's *Modern Times* was released; the Social Security Act was passed by Congress.

9

- A. He purchased an engagement ring for his wife-to-be from Sears, Roebuck for under \$3.
 - B. A notorious practical joker, he once drove U.S. Ambassador-at-Large Averell Harriman into a lake in his specially made amphibious car.
 - C. He invented an ancestor who had died at the Alamo.
 - D. He was the first member of Congress to go on active duty following the Japanese attack on Pearl Harbor.
- During his term** The Beatles made their first U.S. tour; *Peyton Place* became an ABC-TV series; Thurgood Marshall was sworn in as the first black Supreme Court justice.

10

- A. As a lifeguard at his hometown during high school and college, he was credited with rescuing 77 swimmers.
 - B. He affectionately called his first wife "Button Nose."
 - C. His inauguration was the biggest and costliest in American history.
 - D. He was originally slated for the Humphrey Bogart role in *Casablanca*.
- During his term** Prince Charles wed Lady Diana; astronomers discovered the most remote galaxy we know, 10 billion light years away; the U.S. budget deficit exceeded \$1 trillion.

11

- A. As a child he was accident prone, and once fell out of a chair while combing his hair, breaking his collarbone.
 - B. His mother-in-law is reputed to have said that he would lose the Presidential election to his opponent.
 - C. He was the only President to present the Medal of Honor to a conscientious objector.
 - D. He was the only 20th-century President who never attended college, although he did study law at night school.
- During his term** Columbia Records introduced the 33 $\frac{1}{3}$ r.p.m. long-playing record; the first Kinsey Report was issued; the Berlin Airlift was staged.

12

- A. Most of his upper left jaw was removed because of an ailment diagnosed at the time as cancer.
 - B. He personally hanged two men while he was a sheriff.
 - C. "Baby Ruth" candy bars were named after his daughter.
 - D. He was the first President to be married in the White House; his second child was the first baby of a President born there.
- During his term** The Statue of Liberty was unveiled and dedicated; George Eastman perfected the first box camera and roll film; Geronimo surrendered.

13

- A. His wife was a clotheshorse who once ran up more than \$20,000 worth of bills.
 - B. He was said to possess psychic powers; his dreams foreshadowed certain of his life's events.
 - C. During his adult life, no one—not even his wife—called him by his first name.
 - D. His son was at the scene of three Presidential assassinations.
- During his term** The potato chip was introduced to the U.S.; the Homestead Act was approved; Ulysses S. Grant defeated Robert E. Lee at Cold Springs Harbor.

14

- A. He had a pet mockingbird that sat on his shoulder and pecked food from his lips.
 - B. During his eight years in the White House, he ran up a personal wine bill of more than \$10,000.
 - C. Conservatives called him a radical and predicted that all the Bibles in the country would be burned if he were elected.
 - D. Instead of a formal bow, as during his predecessors' terms, he greeted White House guests with a handshake.
- During his term** The first U.S. hotel was built, in Saratoga, N.Y.; the Lewis and Clark Expedition explored the Northwest Territory; the Louisiana Territory was purchased.

15

- A. He was the only President born on the Fourth of July.
 - B. He and his family kept two pet raccoons, Rebecca and Ruben, in the White House.
 - C. He was the only President sworn in by his father, a notary public.
 - D. He had such a nasal twang that he could pronounce the word "cow" in four syllables.
- During his term** Charles A. Lindbergh made the first solo nonstop flight from New York to Paris; *The Jazz Singer* with Al Jolson opened in New York; American Indians were granted citizenship.



A photograph of a group of people at a party. In the center, a woman with blonde hair is wearing a silver sequined dress and holding a cigarette. To her left, a woman in a red top is smiling. To her right, a man in a suit is looking down. In the foreground, two men are looking at each other. The background is decorated with pink flowers.

PLAYERS

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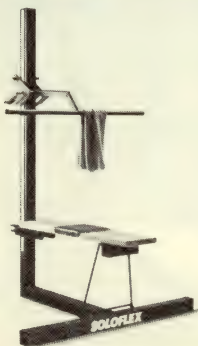
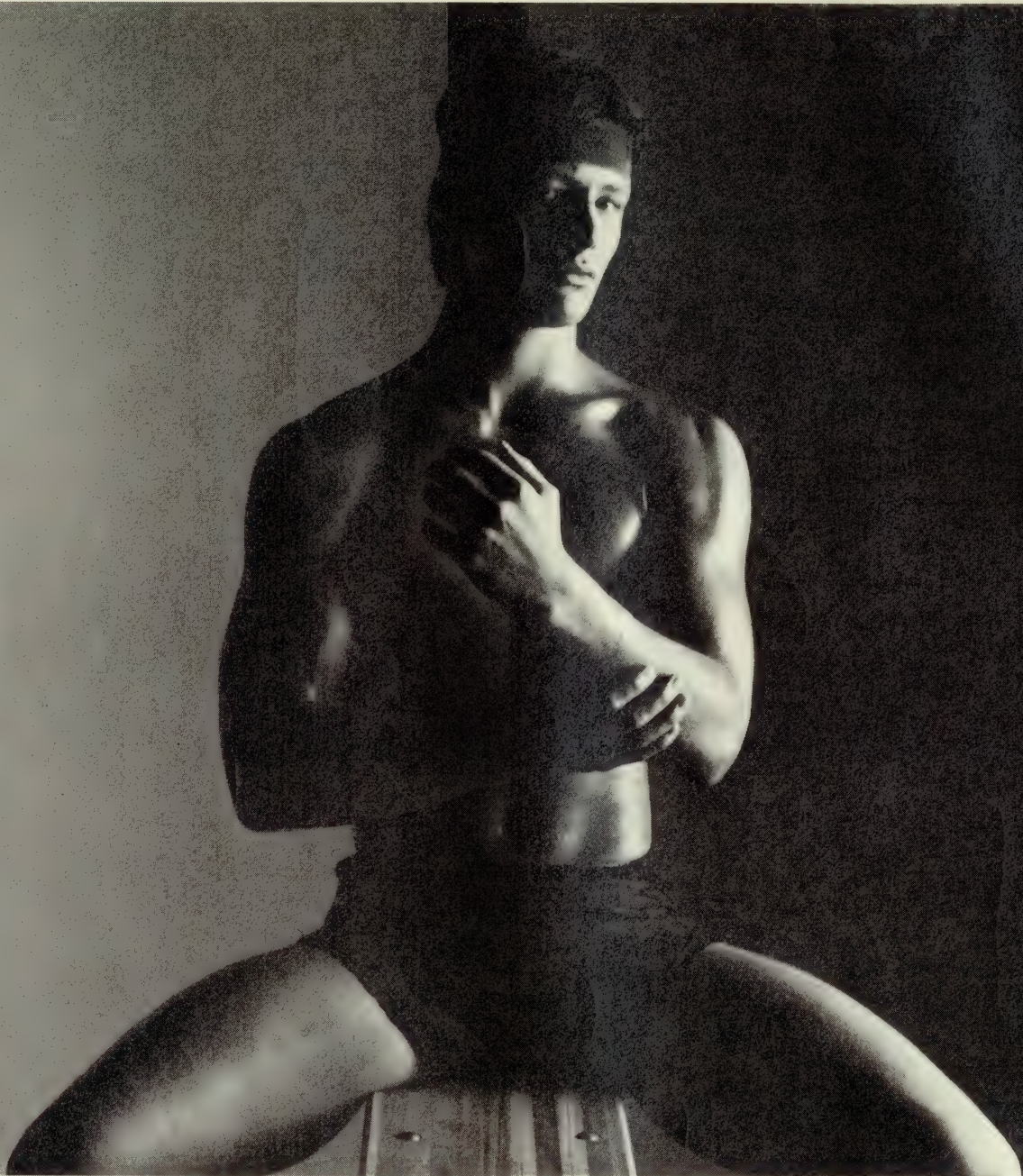


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PENCILWISE

The Telescope ★★

by Will Shortz

Bless my stars. All 44 letters in the names of the objects pictured below can be "telescoped" into a line of just 27 consecutive spaces. How to do it? First identify the 10 objects and enter their names in the adjoining dashes. The last two or more letters of each name will be the starting letters of another (except for the last word in the chain). For example, if one answer were VOLCANO, another might be CANOPY, and another

might be PYTHON, etc. The objects are pictured in random order, so part of the puzzle is to determine where each name belongs in the chain. When you have identified all 10 objects correctly, telescope the words by eliminating the overlapping letters and the spacing between them to form one consecutive string of 27 letters, and enter it in the telescope in the middle of the page.

Answer Drawer, page 66



1. ANCESTOR



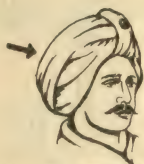
2. IOREADOR



3. BANJO



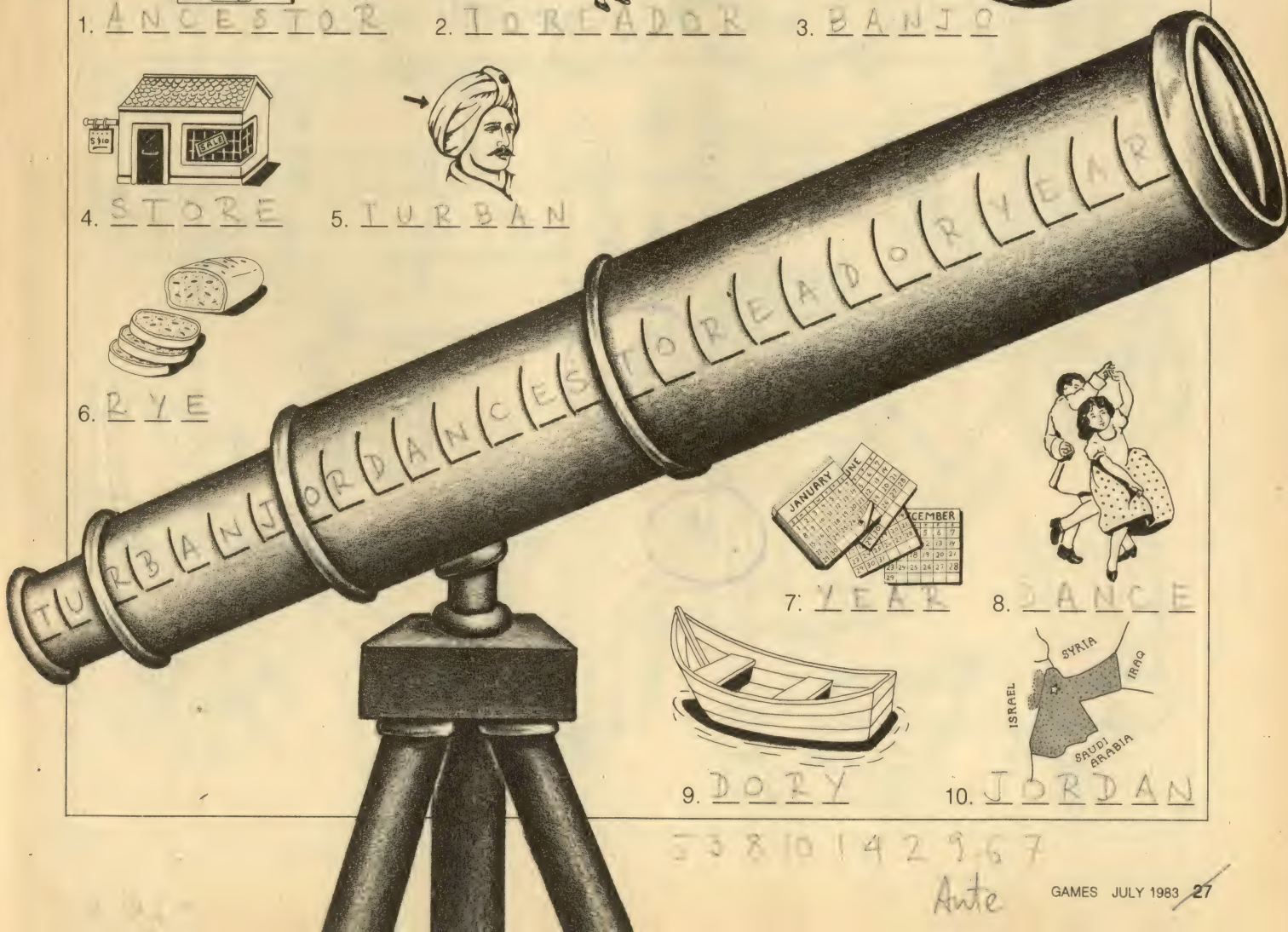
4. STORE



5. TURBAN



6. RYE



7. YEAR



8. DANCE



9. DORY



10. JORDAN

53810142967

Ante

Down the Drain ★★ (Ante)

by Robert Leighton

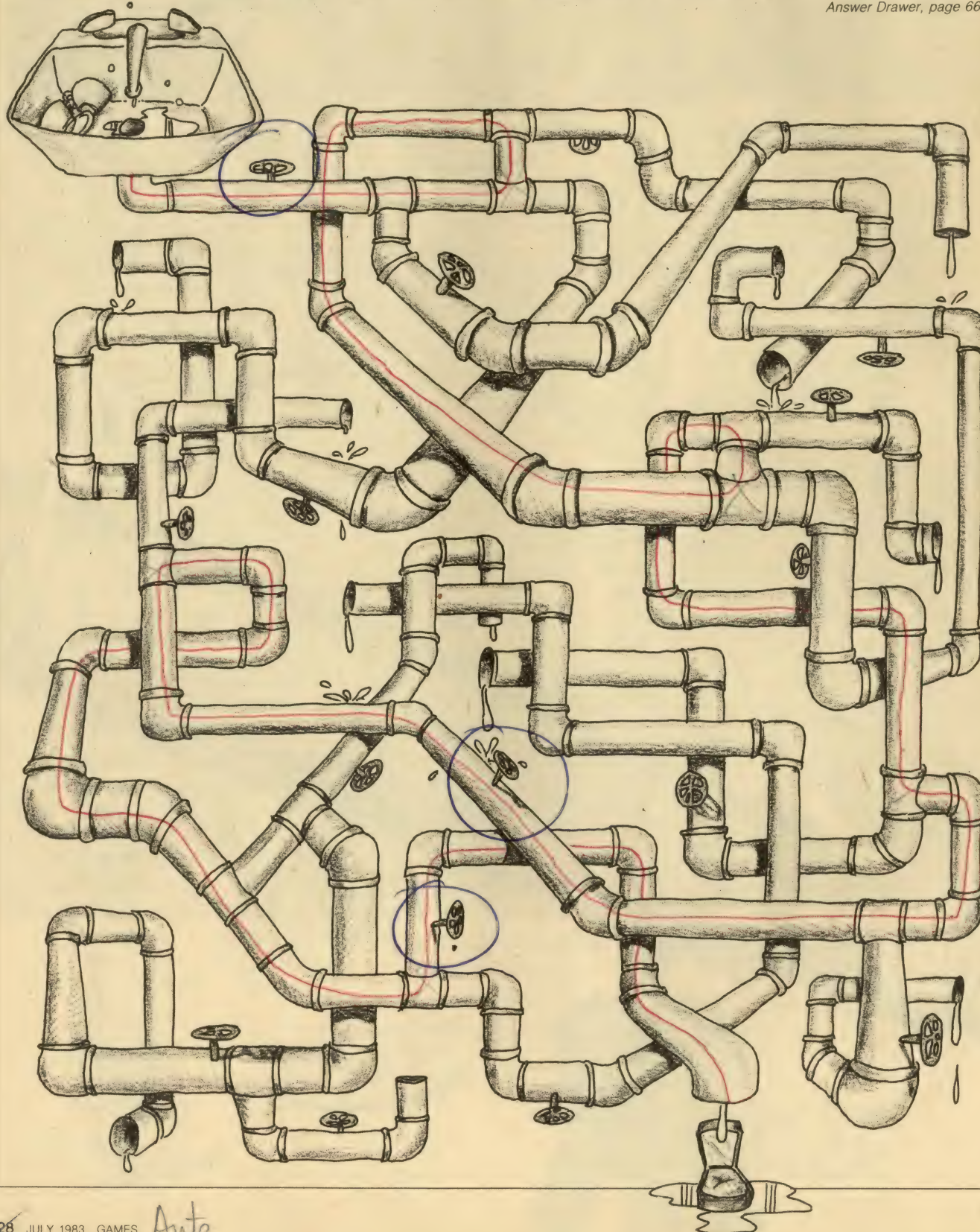
"Honey, you're not going to believe this, but I accidentally washed my wedding ring down the drain."

You can practice breaking the bad news for an hour, or you can try to retrieve the ring before your spouse gets home. The mass of pipes below the sink shows all the possi-

ble routes the ring may take. Each valve is a stopping point; nothing will pass until you turn the valve.

Which valves do you want to turn so that the water—and your ring—flow out the bottom into the ring box? Don't turn the wrong ones or the band might wash out the wrong exit!

Answer Drawer, page 66



Patriotic Points ★ (Ante, Mark)

by Jane Rubin

ACROSS

- 1 Out-of-focus look
5 Temporary stage
10 Farm's output
14 Greek "I"
15 "The Thinker" sculptor
16 Italia's capital
17 Old Glory: 3 wds.
20 Puts aside
21 Prayer endings
22 TV revenue sources
23 "A ____ worse than death"
25 Peace convention site
29 Painter
30 Salvador ____
33 "Poor me!"
34 Olive-green bird
35 Unprocessed metal
36 MacArthur, e.g.: 2 wds.
40 Consumer protection agency: Abbr.
41 "It takes two" to do this
- 42 Lease
43 Lamprey
44 Side dish with chop suey
45 Gem weights
47 Filet of ____
48 Unhappy
49 Pinch, as a nose
52 Furious
56 Military honor: 3 wds.
60 "And what's more . . ."
61 Young fellow
62 Sloping walkway
63 ____-view mirror
64 Map within a map
65 French women: Abbr.
- 9 Suffix with differ
10 It "doesn't pay"
11 Lasso
12 Sign
13 Football play
18 East European
19 Dole out
23 North Dakota city
24 Away from the wind
25 Faux pas
26 Omit a vowel
27 The N in USNA
28 Opposite of WNW
29 Mourning song
30 Site of Seoul
31 Lincoln's general
32 Waistbands
34 Vivian of *I Love Lucy*
37 Point in golf
38 Comet part
39 Blunder
45 Vitamin A source
46 Man of Eden
47 Enjoy fully
48 Garter, e.g.
49 Old Russian ruler
50 Deception

DOWN

- 1 Again: Mus.
2 Many
3 Salt Lake City home
4 Scarce
5 Soviet newspaper
6 Sharpens
7 Does sums
8 Family member, for short



Answer Drawer, page 72

- 51 Hostess Maxwell
52 Catchall abbreviations
53 Kind of warfare
54 Dutch cheese
55 Title for a lady
57 Baseball stat.
58 Light source
59 Albums, for short

Double Duty ★★ (Ante)

by Frederic Kock

The four letters to be entered in each set of blanks below must do double duty: They must finish a seven-letter word that begins with the letters in front of the blanks, and start another seven-letter word that ends with the letters after the blanks. For example, given RHU ____ ELL, you'd fill in the letters B-A-R-B to form RHUBARB and BARBELL. Sound easy? No one we know has been able to get all of these.

Answer Drawer, page 68



1. PSY C H I C KEN
2. HIJ L N K S POT
3. ELE ____ HOL
4. TAN ____ PET
5. PAL ____ AKE
6. TOB ____ UNT
7. PIC C O L O GNE
8. BOY ____ AGE
9. MAS ____ VAN
10. DIA ____ URE
11. UNS ____ CUT
12. FLU ____ NUM
13. FIR E M A N ATE
14. STO ____ ETE
15. REG ____ CHE
16. FUL ____ BLE
17. SPL ____ NCY
18. FOR ____ ARK

by Edith Rudy

Can you tell an imitation from the real thing? All the words hidden in the “real” duck above the waterline represent genuine articles—the originals, Real McCoys. These 24 items are listed immediately below. Find and circle each in the upper grid of letters. All the words hidden in the duck’s reflection *below* the waterline are imitations—fakes or substitute versions of the items on top. These words are not listed on the

page but are for you to find and match on your own. Each answer, as always, is hidden vertically, horizontally, or diagonally in a straight line. Two answers—DUCK (real) and DECOY (fake)—are already circled to get you started. If you get stuck, you'll find the complete word list for the lower grid on page 66.

Answer Drawer, page 70

- | | | | | |
|---------------------------------|----------------------------------|------------------------------|------------------------------|----------------------------|
| 1. BABY <i>doll</i> | 9. FIRST EDITION <i>reprint</i> | 16. MEDICINE <i>placebo</i> | 20. SILK <i>satijn</i> | 22. SUGAR <i>saccharin</i> |
| 2. BULLET <i>blank</i> | 10. GOLD | 17. NAME <i>alias</i> | 21. STERLING <i>sterling</i> | 23. TEETH <i>dentures</i> |
| 3. BUTTER <i>margarine</i> | 11. GRASS <i>artificial turf</i> | 18. OASIS <i>mirage</i> | | 24. TRUTH |
| 4. COIN <i>slug</i> | 12. HAIR <i>toupee</i> | 19. SIGNATURE <i>forgery</i> | I M F | |
| 5. CONCERT <i>recording</i> | 13. HANDKERCHIEF <i>tissue</i> | | I T A T E I | |
| 6. DIAMONDS <i>paste</i> | 14. HUMAN <i>android</i> | | O N I S B I T H | |
| 7. DOCTOR <i>quack</i> | 15. KOALA <i>teddy bear</i> | | E N A M U H S I H | |
| 8. DUCK <i>DECOY</i> | | | N C E N L C T T R E S | |
| | | | G N I L R E T S | |
| | | | O O E E | |
| | | | | |

30 JULY 1983 GAMES

Let's Face It ★★ (Mark, Ante)

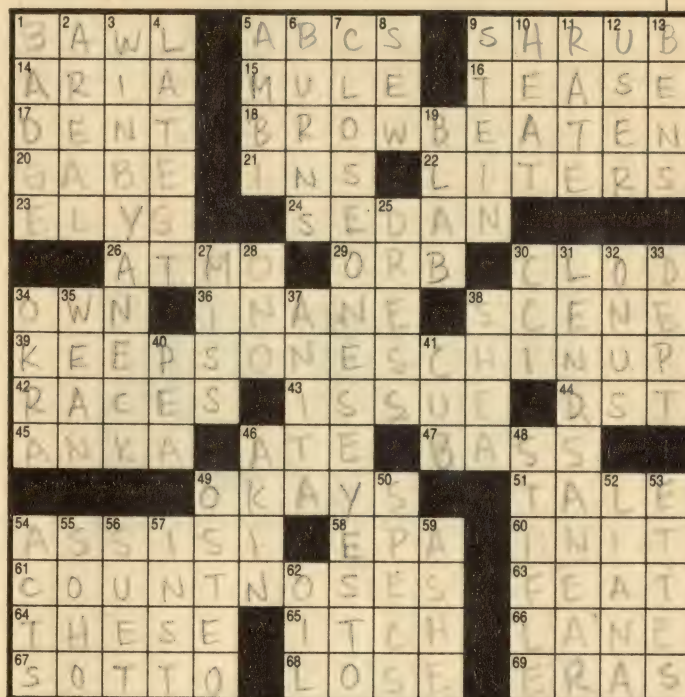
by Peter Snow

ACROSS

- 1 Weep and wail
5 The basics
9 Bush
14 Opera offering
15 Stubborn one
16 Tantalize
17 Bumper blemish
18 Intimidated
20 Actor Kaplan
21 Election winners
22 Quart replacements
23 TV host Ron et al.
24 Family car
26 Prefix with sphere
29 Planet
30 Dull-witted fellow
24 Have
36 Ludicrous
38 Nasty confrontation
39 Shows courage: 4 wds.
42 Three-legged, and others
43 Timepiece?
44 Summer time: Abbr.
45 Singer Paul
- 46 Chowd down
47 Viol type
49 Initials, as a memo
51 Yarn
54 Birthplace of St. Francis
58 MPG-calculating agency
60 "What's ____ for me?"
61 Determine the vote: 2 wds.
63 Amazing accomplishment
64 "____ are the times..."
65 Hankering
66 Alley
67 ____ voce (under the breath)
68 Get whapped
69 Past times
- 7 Deliberately ignore: 4 wds.
8 Make hems
9 Tavern tankard
10 Kind of wave or stroke
11 Be held in high esteem
12 Employer
13 Franklin and Jonson
19 Let the cat out of the bag
25 Attire
27 Hit's alternative
28 Singer Yoko
30 LXVII times III
31 Listens: 3 wds.
32 Burden
33 Corp. division
34 Gumbo ingredient
35 Cure of a habit, gradually
37 Bryant or Gillette
38 Home of the Mets
40 Shade of green
41 Kind of reporter or scout
46 Related
48 Repress
49 Bone: Prefix
50 Glasses, for short
52 Climbing vine

DOWN

- 1 Police ID
2 Of a region
3 Triumph, but not by much: 4 wds.
4 News, with "the"
5 Both: Prefix
6 Oh, God! star
- 53 Suffixes with major or kitchen
54 Book before "Romans"
- 55 Section of London
56 Tallow source
57 Tech. sch.
- 59 Davis Cup captain Arthur
62 "Check your ____?"



Answer Drawer, page 66

Celebrity Gossip ★★ (Ante, Mark)

by Stephen Sniderman

Many famous people have last names that are also ordinary words—Julia Child and Vincent Price, for example. In each sentence below, the last names of two or more such celebrities,

past and present, have been replaced by dashes. With the help of the first names and the context of the sentences, can you fill in the last names and discover the gossip?

Answer Drawer, page 68

Ex: Shelley and Dinah spend their WINTERS at the Florida SHORE.

- Natalie and George discovered that WOOD BURNS better when it's dry.
- Charlie and Bert take _____ in their city's public PARKS.
- Sally and Robert love to see the FIELD covered with early morning FROST.
- Dan and William would RATHER not TELL their ages.
- Gladys, Bert, and Emily watched the KNIGHT hurl his LANCE at the wooden POST.

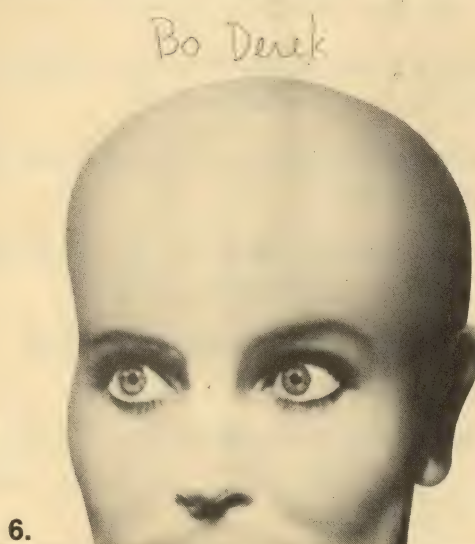
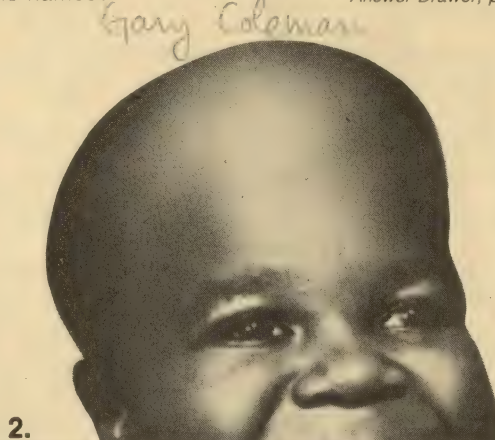
- Rich, Vida, and Lucille played catch with a LITTLE BLUE BALL.
- Pete, George, and Claire were pleased, while raising a flower garden, to see the ROSE BUSH BLOOM.
- Tab, Pearl, and Mickey told the HUNTER to put the BUCK over his MANTEL.
- Anne, Zane, and Cole were unusually _____ with the GREY-haired PORTER on the train.
- Alan, Cary, and Stephen thought the KING should GRANT longer leaves to the soldiers to _____ better morale.

Disinhairited ★★ *(Ate, Jelica, Mark*

Some students of evolution think the human race is slowly evolving toward hairlessness. We've already shed the furry look of our Neanderthal ancestors, and it may be that the baldies among us are the forerunners of our hairless future. We

decided to speed up the evolutionary process to see what these 12 celebrities would look like with shiny domes in place of their usual coiffures. The faces are familiar . . . can you recall the names?

Answer Drawer, page 71



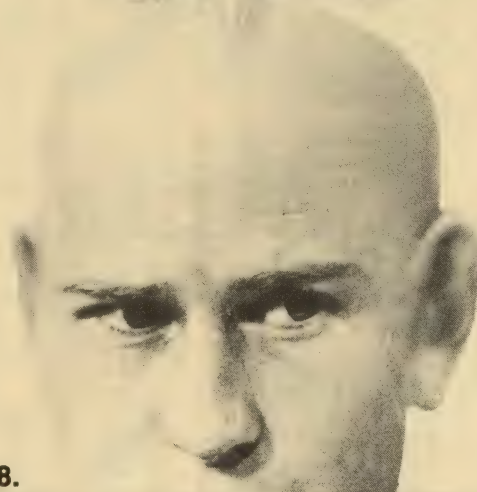
Paul McCartney

7.



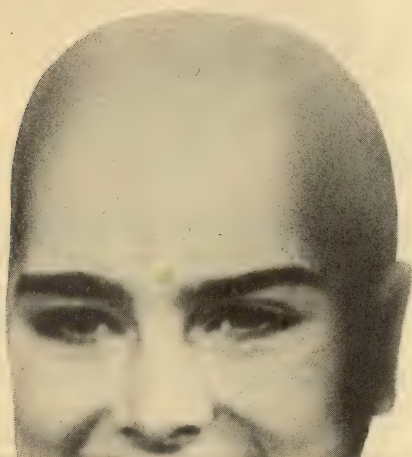
John McEnroe

8.



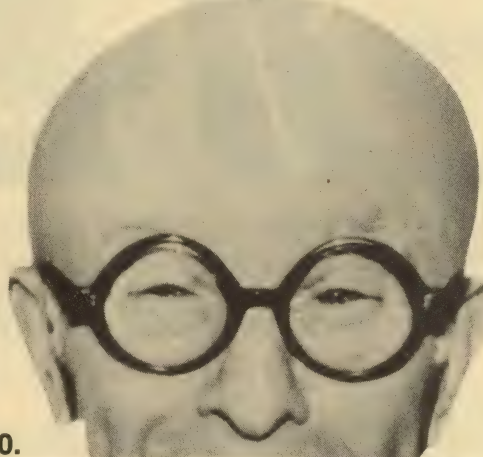
Bobby Stenson

9.



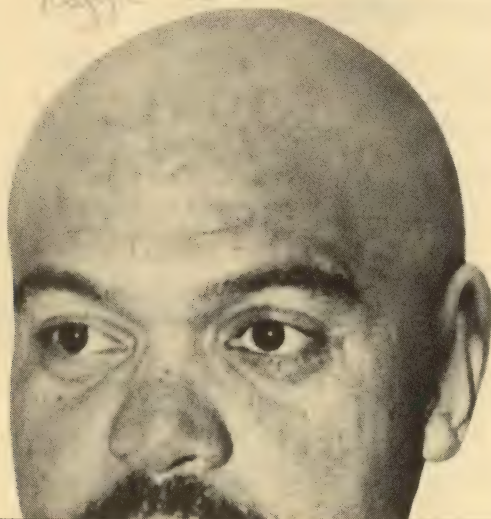
George Burns

10.



Reggie Jackson

11.



12.



Below are seven messages, consisting of pithy sayings, fascinating facts, and a cartoon gag, which have been translated into simple code alphabets. Letter substitutions remain constant throughout any one cipher, but change from one cipher

to the next, and the level of difficulty increases as you progress. An asterisk (*) indicates a proper noun.

Clues are given at the bottom of the page to provide assistance if you need it.
Answer Drawer, page 72

1. CRYPTOON

YOUR SALESMAN SAID THESE
GETC UWAHUKWI UWQL OJHUH
PANTS WOULD WEAR LIKE
XWIOU METAL MHWG AQZH
IRON WHAT HE DIDN'T SAY
QCEI; MJWO JH LQLI'O UWG
WAS THAT THEY WOULD
MWU OJWO OJHG METAL PHHA
LIKE IT TOO
AQZH QO, OEE.



2. FICTIONAL RECORD

*AXELSOXS *WAIOXU DAXETEF
LO PBU XSKF DUAOXLS LS PBU
NXAKY NBX ZTSTVUY PX VUP
TKK BLO WBXAUO YXSU EF
*HALYTF

3. WHODUNIT

MEGOZ IBKJHXGA PTKZGET:
WJD QOEGBZK VBJD ONJIZ
OHH ZWG PLKZOVGK ZWGT
GBA IQ ZGHHIBM ZWGLE
VLAK ZJ OXJLA.

4. IMPARTIAL OBSERVER

ZS RMJ SMP GPVH UKBD
CMPRX MPH HUKH RM MRD
AOVHDRV HM ZMHU VOXDV MC
KR KYTPGDRH DQIDWH HUMVD
JUM AOBDRDQH XMMY.

5. QUITTING TIME

DTMMLDD WLZLEWD TZKE
JEKOPEV OHLE CK DCKZ. CHL
QKEVLX FKT OKXJ CK PSZXKUL
DKSLCHPEV, CHL RLCCLX FKTX
MHGEML KY RXLGJPEV PC.

6. THROWBACK

TDEOLOY CODQ QAO FBVSYU
KGQA TWSCJ, SQQOBYG
JHGYO-TAGWWGYF TBGOJ, GY
HBGLGQGE JOWN-OZHBOJJGVY.
KO UV GQ, QVV, DYU TDWW GQ
FVWN.

7. PUSS IN BOOTS

WZLQOQXNU PHKQIH SXNTIHRHV
OX YWDQOWK XP *LTQOQUJ
*HZDQTH PXT WNVQHIYH AQOJ
*JHT *ZWSHUOR, OJH
YXIUQONONOQXIWK TNKHT.

CLUES

Cipher 1: Ciphertext METAL represents the plaintext word WOULD.

Cipher 2: The repeated PBU represents plaintext THE.

Cipher 3: ZWGT and ZWGLE are common pronouns, and ZWG is another common word. What must they be?

Cipher 4: The most common four-letter word beginning and ending with the same letter is THAT.

Cipher 5: Both JEKOPEV and RXLGJPEV are verb forms with the same ending. What's -PEV likely to represent?

Cipher 6: GY and GQ represent, respectively, a preposition and a pronoun. What are they likely to be?

Cipher 7: The five vowels are represented by (in no order) H, N, Q, W, and X.



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A vibrant, high-contrast photograph of a woman and a man splashing water in a pool. The woman, on the left, is wearing a blue one-piece swimsuit and has her mouth wide open in a shout or laugh. The man, on the right, is wearing a blue and white striped shirt and is also laughing with his mouth open. They are both covered in water droplets, which are frozen in mid-air around them, creating a dynamic and energetic scene. The background is a soft-focus view of a swimming pool with greenery in the distance.

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0.8 mg. nicotine, av. per cigarette by FTC method.

*Share the spirit.
Share the refreshment.*





**A license to
drive doesn't
mean
a license to
drink.**

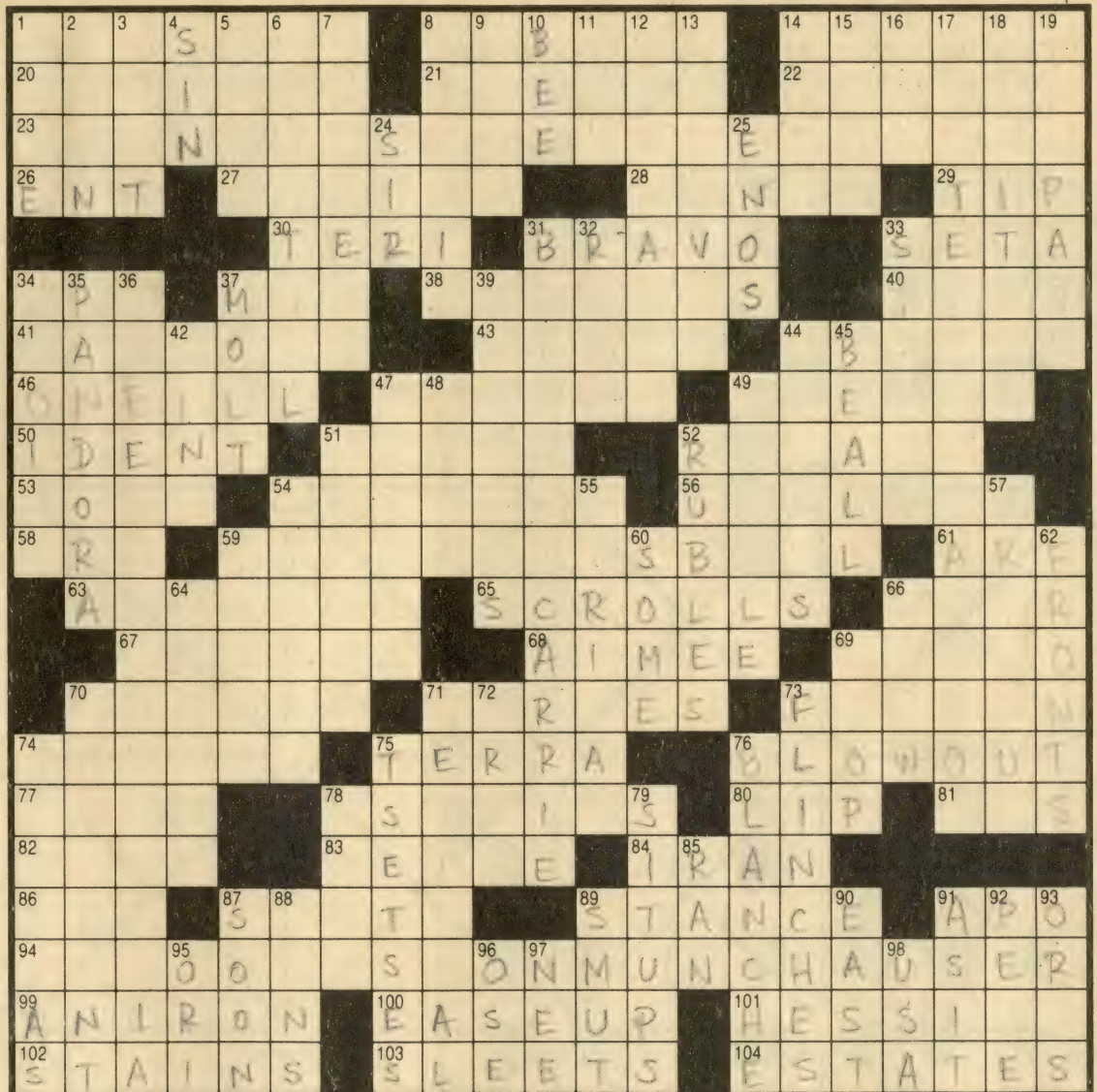
Don't drink too much of a good thing.
The Distilled Spirits Council of the United States.
1300 Pennsylvania Building, Washington, D.C. 20004

Role Reversal ★★★ (Mark, Ante)

by William Lutwinjak

ACROSS

- 1 Hooper's goof
- 8 Connive
- 14 ___ up (comes clean)
- 20 Workaholic's motto
- 21 Motives
- 22 "___ thee!" ("begone!")
- 23 Fictional adventuress?
- 26 Ending with differ
- 27 Whole
- 28 Inklings
- 29 46-Across, familiarly
- 30 Actress Garr
- 31 Cheer for Luciano
- 33 ___ precedent
- 34 N tailers?
- 37 Maker: Abbr.
- 38 ___ a beet
- 40 Union of three: Abbr.
- 41 Strident
- 43 Monopoly purchase
- 44 Humiliated
- 46 House VIP
- 47 ___ Island, NY
- 49 Certain sweaters
- 50 Driver's lic., e.g.
- 51 Bluster
- 52 Soprano Tebaldi
- 53 Cook's pronouncement
- 54 Personal property
- 56 Dozing
- 58 Cockney idol
- 59 Chicago stable-mate?
- 61 Sandy's word
- 63 *Amour*
- 65 Dead Sea find
- 66 Dubai VIP
- 67 Foremen
- 68 Actress Anouk
- 69 Stellar dragon
- 70 Poker plays
- 71 Lampoons
- 73 Arctic
- 74 Word from a foiled villain
- 75 ___ incognita
- 76 1981 Brian DePalma movie
- 77 Latin I verb
- 78 Lights into
- 80 Backtalk
- 81 No. 2s, for short
- 82 Plops down
- 83 Not bother
- 84 Tabriz's nation
- 86 Story collection



Answer Drawer, page 68

- | | | | | |
|---|----------------------------------|--------------------------------|------------------------|-------------------------------|
| 87 Noted violin maker | 4 Break a Commandment | 24 Guinness, e.g. | 49 Capillary connector | 75 Infectious flies |
| 89 Golfer's concern | 5 Head of France | 25 Baseball's Slaughter | 51 Strands | 76 "Streetcar" heroine |
| 91 GI maildrop | 6 Newsworthy | 31 Dreiser hero? | 52 Minsk money | 78 "Unfortunately..." |
| 94 Russian storyteller? | 7 Plays nudnik | 32 Nerve network | 54 Moments of truth | 79 Home exercises |
| 99 "... curtain has descended": Churchill | 8 Smelter slag | 33 Incense spice | 55 Rhapsodic | 85 Joined the marathon |
| 100 Slacken | 9 Bistro | 34 Jewelry alloy | 57 Secure the sails | 87 Ere long |
| 101 Silvery metal | 10 Drone | 35 Lady with a box | 59 Billiard stroke | 88 "... room" |
| 102 Dry cleaner's challenges | 11 Within: Prefix | 36 <i>Don Quixote</i> monarch? | 60 Unspecified amount | 89 Moral Majority target |
| 103 Freezing rains | 12 Common Atlantic fish | 37 Shed feathers | 62 Weather map lines | 90 Vane reading |
| 104 Monticello and Mount Vernon | 13 Summery | 39 Certain daisies | 64 Forces upon | 91 ___ were (so to speak) |
| | 14 Almanac item | 42 Montmartre moviehouse | 66 Lined up | 92 Fountain of music |
| | 15 Blunders | 44 Record books | 69 Tear | 93 Simoleons |
| | 16 ___-disant (self-styled) | 45 End-all's partner | 70 Sheep, e.g. | 95 Mouth: Prefix |
| | 17 Fyodor Pavlovich's daughters? | 47 Drainage regions | 71 Fair time | 96 Sweet ending |
| | 18 Beings | 48 London gallery | 72 Mecca man | 97 Originally |
| | 19 ___-go (intermittent) | | 73 Recoils | 98 Letters on Jenner's jersey |

DOWN

- 1 Regal prop
- 2 Niche object
- 3 Latched

Breakaway

by Sid Sackson

A New Strategy Game for Two Players

Equipment Two contrasting sets of seven pieces each (pennies and dimes work well), and the board shown.

Object To separate all your pieces, so that no two are adjacent.

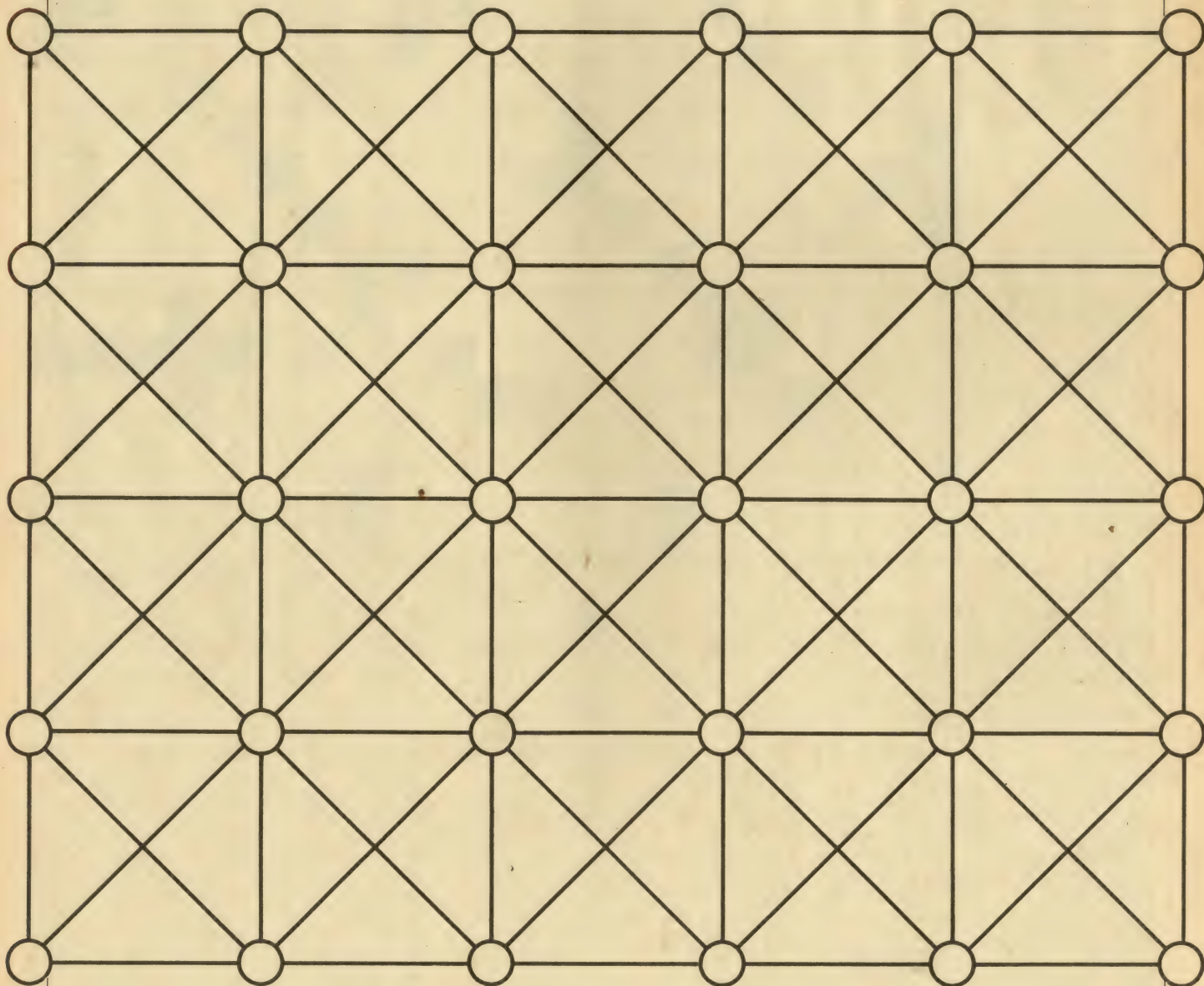
Setup One player, chosen at random, places all 14 pieces on the board, on any 14 different spaces (circles). When the placement is complete, the other player chooses which set he will use and also whether to play first or second.

Play Each player in turn moves one of his pieces in a straight line, either horizontally, vertically, or diagonally. Pieces may only be moved onto vacant spaces, and may never jump over other pieces.

Pieces must move a specific distance, which changes ev-

ery turn. On the first move of the game, the first player must move a piece one space only. The second player then moves a piece exactly two spaces. Next, the first player moves a piece three spaces. After that, the second player moves a piece one space, then the first player moves two spaces, the second player three spaces, and so on (the cycle 1-2-3-1-2-3 is repeated indefinitely).

A player must move if a legal move is available. If not, the player loses his turn. A lost turn counts as part of the movement cycle; thus if a player cannot move when it is his turn to move three spaces (as happens frequently), the next player must then move a piece just a single space. A player wins as soon as no two of his pieces are on adjacent spaces (connected by a line).



Cryptic Crossword ★★★

by E.R. Galli

The Warm-Up Puzzle at right contains all the basic types of clues you're apt to encounter in a cryptic crossword. Like all cryptic clues, each contains two parts: a direct or indirect definition of the answer and a second description of the answer through wordplay. The first step in solving a cryptic clue, and a great part of the fun, is to determine the dividing point between the parts. Consider some sample clues:

"Wild hogs bit VIP (3,4)." This is an example of an anagram. The letters in the words "hogs bit" can be rearranged to spell the answer, BIG SHOT, defined as "VIP." The word "wild" suggests that the adjacent letters are to be rearranged. An anagram clue always contains a word or phrase (like "crazy," "reorganized," or "in a heap") that suggests mixing or poor condition.

"Last-minute surge from the side (9)." Here you must join two short words to get the answer: LATE ("last-minute") and RALLY ("surge") combined form the answer LATERALLY ("from the side"). This is a charade clue.

"Urge to be visible at hearing (6)." This is an example of a homophone. The answer INCITE ("urge") sounds like IN SIGHT ("visible"). The phrase "at hearing" suggests that the adjacent words are to be pronounced to get the answer.

"Stay in Berlin, Germany (6)." The answer, LINGER ("stay"), is literally found in the letters of the phrase "BERLIN GERMANY." This is an example of a hidden word.

Other tricks of cryptic solving have been explained in previous issues. If you are new to cryptic crosswords, start with the Warm-Up Puzzle at right and refer to the Answer Drawer for explanations.

ACROSS

- 1 Listen, between Kenneth and Theodore, starting off smart is cowardly (14)
- 10 Glasses get lent or broken (9)
- 11 State of neglect troubled Mobil (5)
- 12 Work with English linen (5)
- 13 For cash, you might spend a lot of time putting on this (4,5)
- 14 Beautiful young woman's New York pace (5)
- 16 Car overturned with terrible racket here! (9)
- 18 Tiny brace can be used for woodworking (9)
- 20 Scoundrel with Irish accent to be beheaded (5)
- 22 One out of nine copies is used for Christmas tree decorations (4,5)
- 24 Merge left in curve (5)
- 25 Animal that carried loads for a two-headed Tibetan (5)
- 26 Knowing nothing through design or ancestry (9)
- 27 This is just a guess, but could it be an instance of closet drinking? (1,4,2,3,4)

DOWN

- 2 Bravery could make him sore (7)
- 3 Preserve Old English boat (5)
- 4 Praise one-time tax out loud (5)
- 5 Great protest . . . what the unhappy colorist is apt to do? (3,3,3)
- 6 Shirt emblem upset a girl a lot (9)
- 7 Soften one kind of paint (7)
- 8 Doctor to have duck permanently? (5)
- 9 Mountain-climbing stimulant is not in the least sexual (8)
- 15 H. & C. boat manufacturing (9)
- 16 Holding force on ten-tire rigs (9)
- 17 Necessity to be in reserve sunk in considerably (4-4)
- 19 Under the bean patch (7)
- 21 More gaunt after introduction to grim reaper's assistant (7)
- 22 President leads a lively dance (5)
- 23 Agreement with washbasin declared (5)
- 24 Meals, one hears, were tedious (5)

Warm-Up Puzzle for New Solvers ★

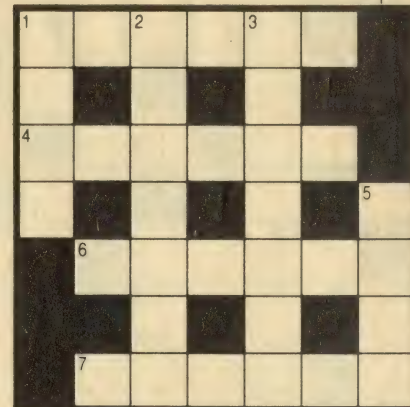
by Merl Reagle

ACROSS

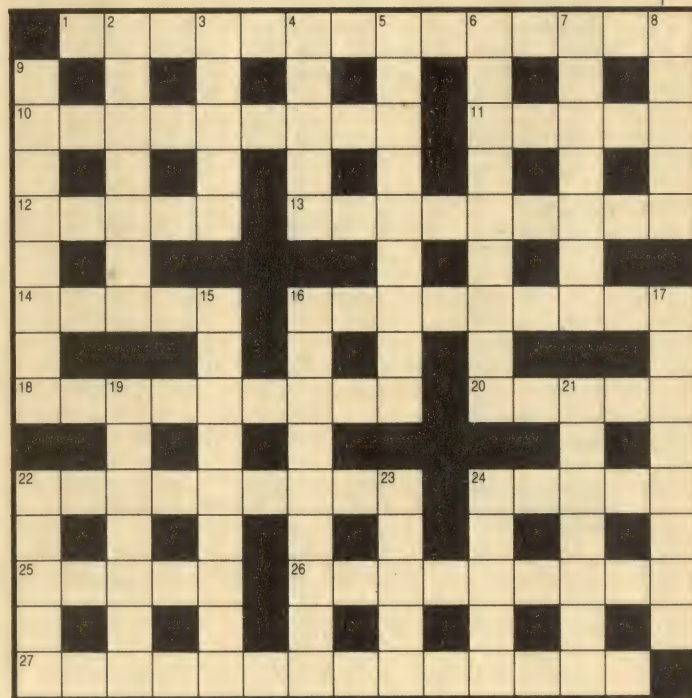
- 1 Reduce schoolwork, they say (6) *homophone*
- 4 Actor Connery hides me from sailors (6) *container*
- 6 Medicine man shows movies (6) *hidden word*
- 7 Sounded harsh for general audiences? (6) *second definition*

DOWN

- 1 Final explosion taking the top off (4) *beheading*
- 2 Remake of *Carrie's* more frightening (7) *anagram*
- 3 Mighty peak gives actress Arden pause (7) *charade*
- 5 Placed clock face upside-down (4) *reversal*



With detailed explanations in Answer Drawer, page 66



Answer Drawer, page 68

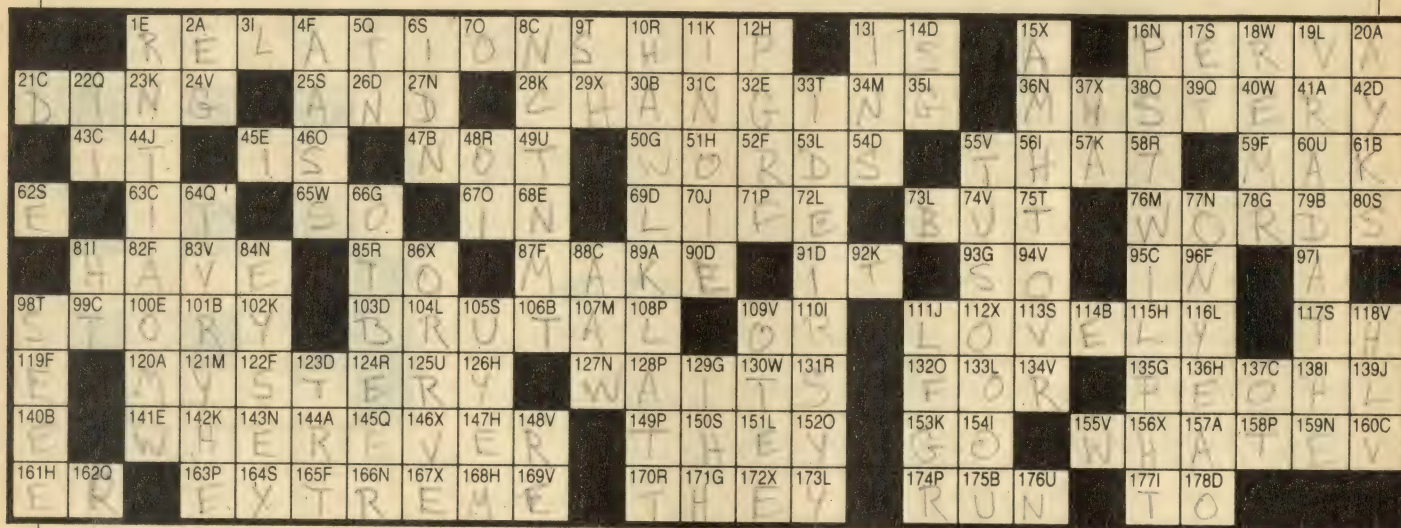
This puzzle was used at last March's First Stamford Marriott Cryptic Crossword Competition, in Stamford, Connecticut. The winner, computer consultant Philip Cohen of Aliquippa, Pennsylvania, finished it without error in a searing 4 minutes 55 seconds. Fifty-seven of the 111 contestants completed the puzzle within the 30-minute time limit.

Double Cross ★★ (Jelica)

by Michael Ashley

Answer the clues for words to be entered on the numbered dashes. Then transfer the letters on the dashes to the correspondingly numbered squares in the puzzle grid to spell a quotation reading from left to right. Black squares separate

words in the quotation. Work back and forth between grid and word list to complete the puzzle. When you are done, the initial letters of the words in the word list will spell the author's name and the source of the quotation. *Answer Drawer, page 70*



A. Set aside for a specific purpose E A R M A R K
2 20 41 120 157 144 89

B. Attempt a task U N D E R T A K E
175 47 79 114 101 106 30 61 140

C. Prophecy, augury D I V I N A T I O N
21 43 160 95 8 88 99 63 137 31

D. By outward appearances O S T E N S I B L Y
178 54 123 90 26 14 91 103 69 42

E. Using oars R O W I N G
1 100 141 45 68 32

F. Military weaponry A R M A M E N T S
4 52 59 82 87 119 96 165 122

G. Pay homage, adore W O R S H I P
50 66 78 93 171 129 135

H. One who works for another E M P L O Y E E
161 168 12 115 51 126 136 147

I. Art print or copy L I T H O G R A P H
3 13 177 81 154 35 110 97 138 56

J. Work the soil T I L L
44 70 111 139

K. Boating, in high style Y A C H T I N G
102 57 28 142 92 11 23 153

L. All the people E V E R Y B O D Y
72 19 151 104 173 73 133 53 116

M. Display sleepiness or boredom Y A W N
121 107 76 34

N. Authorized E M P O W E R E D
84 36 16 77 127 143 166 159 27

O. Harden into bone O S S I F Y
7 38 46 67 132 152

P. Compliment effusively F L A T T E R
71 108 128 149 158 163 174

Q. Giggle nervously T I T T L E
5 22 39 64 145 162

R. Most fiery H O T T E S T
10 48 58 85 124 131 170

S. Comprehensive, thorough E X H A U S T I V E
62 164 150 25 105 80 117 6 113 17

T. Poses for a portrait S I T S
9 33 75 98

U. Small mountain lake T A R N
49 60 125 176

V. Excessively excited O V E R W R O U G
109 83 169 134 155 148 94 74 24
118 55

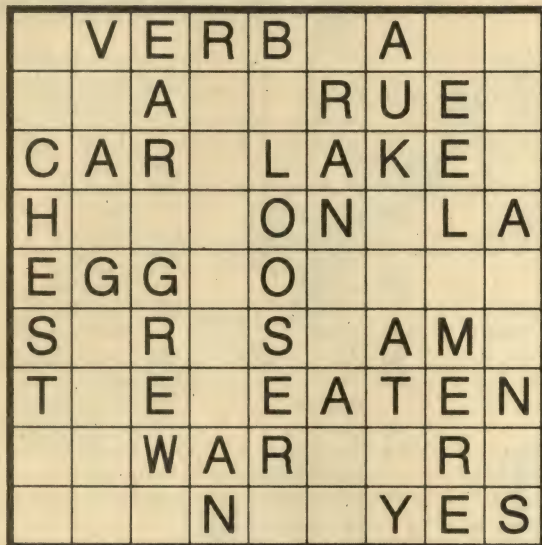
W. Take it easy R E S T
18 40 65 130

X. Sailor's chant (hyph.) M O H A V E H O
37 112 156 167 15 146 172 29 86

Missing Links ★★ by Gary Disch

Put the 18 boxed letters into the grid below to complete a crisscross pattern of common words reading across and down. Each boxed letter will be used exactly once, but not every square in the grid will be filled. *Answer Drawer, page 70*

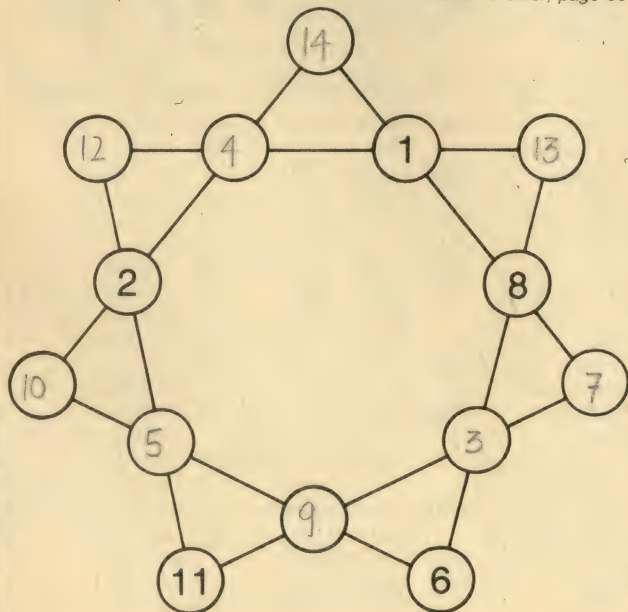
A D D E E E E G H
N O O R R R R S X Y



Magic Star ★★ (Ante)

Can you place the numbers from 1 to 14 into the circles of this magic star so that each line of four circles totals 30? Five of the numbers have been entered to get you started.

Answer Drawer, page 66



FOLD THIS PAGE

The World's Most Ornerly Crossword

by Henry Hook

Ambitious Interlock

The crossword on this and the next two pages has two independent sets of clues: "Hard" and "Easy." First, fold this page back on the dashed line so the clues below face the solving grid on page 45. If you use only the Hard Clues (appearing below and continuing under the grid), you'll find the puzzle uncommonly challenging. If you need help, or prefer a less severe challenge, open to the Easy Clues (tucked in beneath your fold on page 44). Remember, to peek or not to peek is up to you.

Hard Clues ★★★

- | | | |
|-----------------------------|--|---|
| ACROSS | 69 "The future's not ____ to see. . ." | 123 Reincarnation, maybe |
| 1 Scruffy spot? | 70 Trunk tool | 125 LXVII trebled |
| 5 Choose no booze? | 71 Naturalist John | 126 Caudate |
| 13 A.S.A.P. | 72 Ring setting? | 127 Statesman |
| 16 Independence initials | 74 Yogurt flavor | Eban |
| 19 Soaper | 75 Words of offering | 131 Opposite of guerra |
| 21 Ace of clubs? | 77 Hungry to excess | 132 Wordsworth's <i>Intimations</i> . . . |
| 22 Debtor's letters | 79 Cha-cha shakers | e.g. |
| 23 Strychnine-yielding tree | 80 Gardner et al. | 133 Crystal-clear |
| 25 Dawn goddess | 81 Only just | 136 Eliza |
| 26 Cugat's hometown | 82 Cold sign? | Johnson's |
| 27 Pirate leader? | 83 <i>Tartuffe</i> author | White House |
| 29 Reunion shot, e.g. | 85 Giants' ex-coach | predecessor |
| 31 On the corpulent side | Sherman | 138 Symmetry |
| 33 Oviedo uncle | 86 Amuse | 141 Zairian, |
| 34 Ransom ____ Olds | 87 Farm groves | formerly |
| 35 Gruntlings' mamas | 89 Start of a Williams title | 143 Simp |
| 36 RN men, informally | 91 Rosa's in El Paso, e.g. | 144 1976 veep contender |
| 38 Explorer Johnson | 92 Roadwork sign | 145 Canonized |
| 39 Unlimited | 93 "Ça ne fait ____" | Mlle. |
| 42 Moronic to the max | 94 Agricultural brethren | 146 Swell |
| 43 Shocking amount? | 96 Colorado Senator | 147 Granitelike rock |
| 45 River from the Ardennes | 97 Woodpusher's hobby | 148 Queue after Q |
| 46 Yore | 100 California fort | 149 Overburden |
| 50 Out of wind? | 101 Nail work | 150 Haste: Var. |
| 52 Dime novelist Buntline | 102 Fireside drink | 151 Curbside refreshments |
| 53 Polly and Sally | 104 Lucy's chum | |
| 54 More sandpapery | 106 Sticky business? | |
| 55 Antiperspirant ad word | 108 Ridges | |
| 57 Making it | 109 Throughout history | |
| 60 Rabbinical reading | 111 Begat | |
| 61 Entrained | 113 "This ____ holdup!" | |
| 63 Peat moss | 114 Commercial precoder of P or W | |
| 64 Stole | 115 <i>The Stepford Wives</i> author | |
| 67 Euripides heroine | 116 Lollapalooza | |
| | 117 Betting area? | |
| | 120 Part of a first grade chant | |

DOWN

- 1 Surgeon's lead-in?
- 2 Hood's weapon
- 3 Holier-than-thou
- 4 O.K. Corral personage
- 5 With precision
- 6 George Jetson's son, et al.
- 7 Int'l org. based in Brussels
- 8 Wedding-cake feature
- 9 Eyewitness

The World's Most Ornerly Crossword (Continued)

Don't Peek Until You Read Page 43!



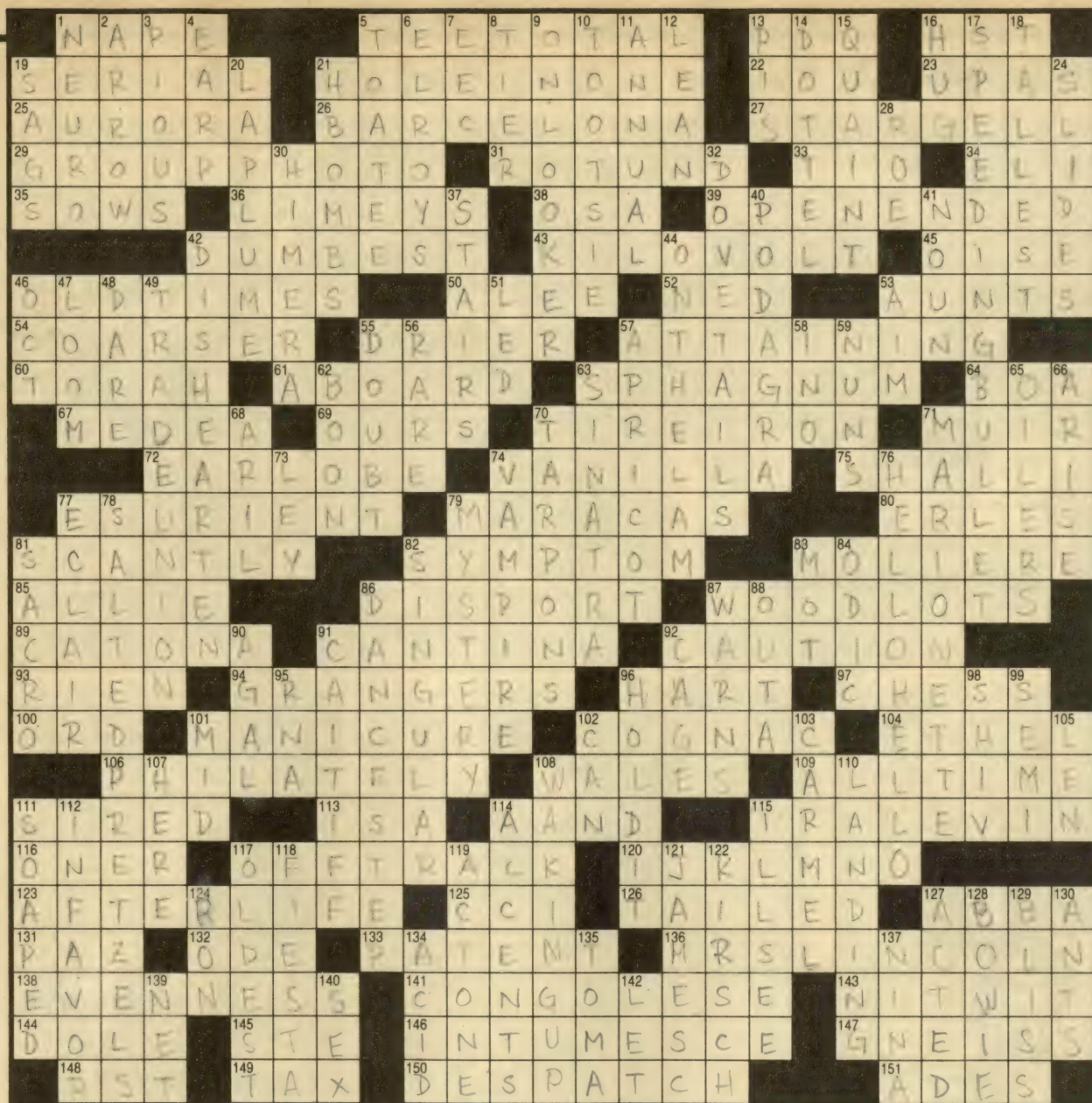
Easy Clues ★

ACROSS

- | | | | | | |
|---|---|---|--|---|---|
| 1 Back of the neck | 67 Mythical enchantress | 108 Charles's princedom | 4 Lawman Wyatt | 55 Without a _____ (surely) | 96 "Wait a minute!": 2 wds. |
| 5 Shun liquor | 69 Belonging to us | 109 _____ high (record amount) | 5 Perfectly: 3 wds. | 56 Lightly-cooked, as a steak | 98 Switchblade |
| 13 Initials meaning "Immediately!" | 70 Auto-trunk item: 2 wds. | 111 Fathered | 6 Football legend (Hirsch et al.) (SORELY anag.) | 57 Peachlike fruit | 99 Partially: Prefix |
| 16 FDR's successor | 71 <i>The Ghost and Mrs. _____</i> | 113 "This _____ recording": 2 wds. | 7 Europe's Common Market: Abbr. | 58 Cadmus's daughter, in myth (ION anag.) | 101 Central |
| 19 Episodic story | 72 Head part that may be pierced | 114 Texas _____ M.: 2 wds. | 8 Layer | 59 Convent residents | 102 Sardine container |
| 21 Golfer's dream: 3 wds. | 74 "White" ice cream flavor | 115 <i>Deathtrap</i> playwright: 2 wds. | 9 Spectator | 62 Benefit | 103 Town near Pebble Beach (CALMER anag.) |
| 22 Debt notice | 75 "_____ go on?" ("Do you want to hear more?") | 116 Humdinger | 10 1982 Dustin Hoffman hit | 63 "Ol' Blue Eyes" | 105 Actor Cariou (NEL anag.) |
| 23 Poisonous tree (in MAUPASSANT) | 77 Greedy (REUNITES anag.) | 117 The "OT" in OTB | 11 Yearly | 65 Houston footballers | 107 On this spot |
| 25 _____ borealis | 79 Latin rhythm instruments | 120 Sequence between H and P | 12 Tilt | 66 Stand up | 108 Arousing: 2 wds. |
| 26 Spanish city | 80 Author Gardner and namesakes | 123 Post-death existence | 13 π, π, π | 68 Seed coat (LAIR anag.) | 110 TV's <i>Knots</i> |
| 27 Baseball's Willie | 81 Barely | 125 Roman 201 | 14 Pipe-bowl remains (TOLD E.T. anag.) | 70 Popular sport fish of Florida | 111 Covered with lather |
| 29 Picture of the family, e.g.: 2 wds. | 82 Indication of an ailment | 126 Shadowed | 15 Pleasingly old-fashioned | 71 Stringed puppet | 112 "All _____ say aye!": 2 wds. |
| 31 Plump | 83 French dramatist, author of <i>The Misanthrope</i> | 127 Swedish pop group | 16 Embrace | 73 Rumanian coin (LYE anag.) | 114 Stresses |
| 33 Pedro's uncle (among RELATIONS) | 85 Reynolds of baseball lore | 131 La _____, Bolivia | 17 "Faster than a _____": 2 wds. | 74 Dracula, e.g. | 115 "_____ what I can do!": 2 wds. |
| 34 Wallach or Whitney | 86 Playfully divert | 132 "_____ to Billy Joe" | 18 Most statuesque | 76 Words repeated over a bad phone connection: 2 wds. | 117 Most senior |
| 35 Scatters, as seeds | 87 Small forest areas | 133 Inventor's protection | 19 Droops | 77 French cream-filled pastry | 118 Mexican holiday |
| 36 British sailors, informally | 89 _____ <i>Hot Tin Roof</i> : 3 wds. | 136 Mary Todd, maritally: 2 wds. | 20 "_____ de ma tante": 2 wds. | 78 Knotted, seasoned snacks | 119 Start of a play: 2 wds. |
| 38 Spanish bear (in FORMOSA) | 91 Saloon of the Southwest | 138 Uniformity | 21 Atomic weapons | 79 Agatha Christie's field | 121 Civil-rights leader _____ Evers: 2 wds. |
| 39 Having no fixed limit | 92 What a yellow traffic light means | 141 Central African language (GO ENCLOSE anag.) | 24 Playground fixtures | 81 Prefix with "iliac" | 122 Cherry brandy |
| 42 Least intelligent | 93 Nothing: Fr. (IN RE anag.) | 143 Knucklehead | 28 Fish eggs (O'ER anag.) | 82 Plural's counterpart | 124 Reagan, familiarly |
| 43 Thousandfold electrical unit | 94 Actors Stewart and Farley | 144 Apportion (out) | 30 Ancient Sicilian city (I'M A HER anag.) | 83 Bon _____ (witticism) | 127 Performed |
| 45 Belgian river (in VICHYSOISE) | 96 Male deer | 145 Sault _____ Marie | 32 Interlocks snugly | 84 Poetic, in a way | 128 Rock singer David |
| 46 <i>Seems Like _____</i> (Chevy Chase film): 2 wds. | 97 Game of kings and knights | 146 Become swollen (TEEN MUSIC anag.) | 37 Escalator components | 86 Lesson from Arthur Murray: 2 wds. | 129 Extreme happiness |
| 50 Sheltered, at sea | 100 Command: Abbr. | 147 "Nice"-sounding rock | 40 Gout (ROAD GAP anag.) | 87 Says "Watch out," e.g. | 130 Picnic infiltrators |
| 52 Actor Beatty | 101 Fingernail treatment | 148 Letters after OPQ | 41 Part of speech | 88 Make _____ warrant: 2 wds. | 134 Alkali neutralizer |
| 53 Mom's sisters | 102 French brandy | 149 April 15 payment | 42 Deprive of hope | 90 "Oh, oh, oh what _____": 2 wds. | 135 1970s TV police show |
| 54 More harsh | 104 Lionel Barrymore's sister | 150 Send: Var. | 44 Running from the cops: 3 wds. | 91 Coward (FIFACT anag.) | 137 One of Columbus's ships |
| 55 Laundromat appliance | 106 Stamp collecting | 151 Citrus drinks | 46 Tenth month: Abbr. | 92 Zoo enclosure | 139 Badminton barrier |
| 57 Reaching a goal | | | 47 Weaver's device | 95 Genetic material: Abbr. | 140 Gender |
| 60 Jewish scriptures | | | 48 Challenge | | 142 Allow |
| 61 On ship | | | 49 Labor organization: 2 wds. | | |
| 63 Moss variety (HANG UMPS anag.) | | | 51 Guided | | |
| 64 _____ constrictor | | | 53 Goal | | |

DOWN

- 1 Nerve: Prefix
2 Bow and _____
3 Devout



Answer Drawer, page 68

Hard Clues (cont'd)

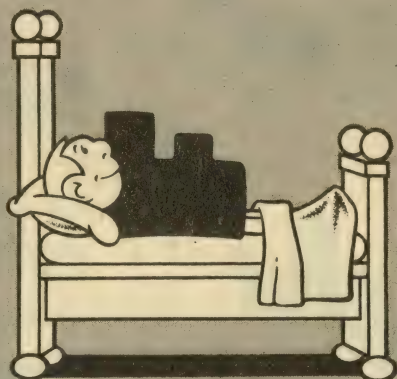
- | | | | | | |
|---------------------------------------|--------------------------------|--------------------------------|---|----------------------------|--------------------------------------|
| 10 "Dorothy Michaels," in a 1982 film | 28 Hind | 55 Take with a grain of salt | 77 Pastry whose name means "lightning" | 95 Genetic substance | 118 Baja blowout |
| 11 Zinnia or petunia, e.g. | 30 Site of a Carthaginian coup | 56 Endangered | 78 Bar-top munchies | 96 "Stop right there!" | 119 Moss Hart autobiography |
| 12 Supermarket meat stamp | 32 Fits together perfectly | 57 Orangy-pink | 79 <i>And Then There Were None</i> , e.g. | 98 Knife for Mack | 121 Scottish physicist, ____ Maxwell |
| 13 Scrambles | 37 Fire-escape components | 58 Wife of Athamas | 81 Lower vertebrae, in combinations | 99 Big rig | 122 Black Forest brandy |
| 14 Pipe leftovers: Var. | 40 Foot ailment | 59 Some sisters | 82 Curious | 101 Between | 124 Pitcher Guidry |
| 15 Eccentric | 41 Proper subject? | 62 Fringe benefit | 83 Bit of repartee | 102 Fire | 127 Trod the boards |
| 16 Bear's greeting? | 42 Faze | 63 "King of the Ratpack" | 84 Pindaric | 103 Israeli mountain ridge | 128 Alamo casualty |
| 17 Comparison for Superman | 44 Fleeing | 65 Astrodome squad | 86 "One, two, one-two-three," e.g. | 105 Author Deighton | 129 Ignorance, proverbially |
| 18 <i>Guinness Book</i> category | 46 Witching mo. | 66 Crop up | 87 Threatens | 107 Roll call reply | 130 Some queens |
| 19 Slumps | 47 Oar handle | 68 Post-fertilization covering | 88 Stand ____ mile (be conspicuous) | 108 Stirring | 134 Sharp |
| 20 The pen, to Pierre | 48 Schoolyard taunt | 70 Florida fish | 90 Bedouin headband cord | 110 Feature of 37-Down | 135 <i>Baretta</i> prototype |
| 21 They grow up into mushrooms | 49 Local group? | 71 Fantoccini entertainer | 91 Desplicable | 111 Flattered | 137 Jazz singer Simone |
| 24 Microscope accessories | 51 Opened the trick | 73 Von Braun cohort Willy | 92 Drunk tank, e.g. | 112 Voting for | 139 Seine, e.g. |
| | 53 Sharpshooter's forte | 74 Batman? | | 114 Heritage giveaways | 140 Shere Hite's field |
| | | 76 1967 Sopwith Camel hit | | 115 Equivocal reply | 142 Find a tenant |
| | | | | 117 First-born | |

Ante, Mark, Jelica, Olga

The letters of the alphabet are much more expressive than you might think, and even have a devilish sense of humor. The letter F, for instance (see the first panel below), wanted to

suggest the word FLYING without spelling it out, so, it posed in a LYING position. Can you figure out what the eight other initial letters on this page are trying to say? *Answer Drawer, page 70*

Example



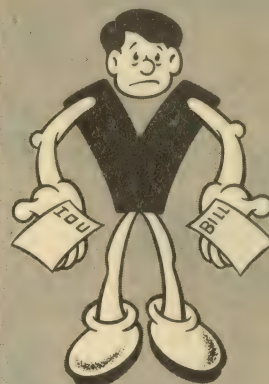
flying

1.



clap

2.



3.



need

4.



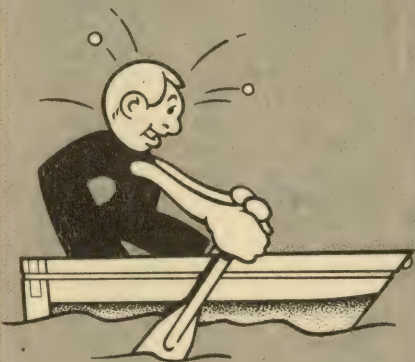
trace

5.



pencil

6.

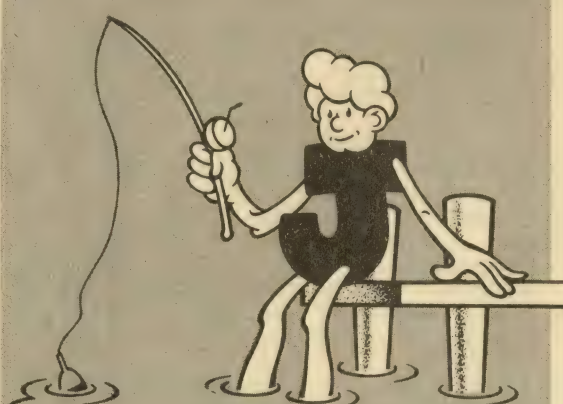


7.



sweep

8.



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4⁹⁹

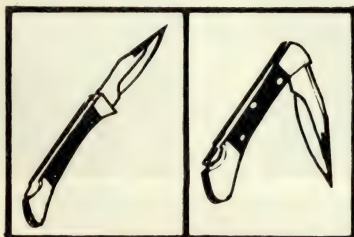
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Payment of \$_____ enclosed.
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Address _____

City _____

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The Chinese consider calligraphy one of their supreme artistic achievements, and no wonder: With deft brushstrokes, the Chinese calligrapher distills the essence of an image into a symbol at once concrete and abstract. The balanced geometry of the symbol for mountain, shown below, is a small work of art in its own right, and at the same time conjures up a mental picture of mountain peaks.

Although script forms have evolved over the centuries into a modern, fluid type of calligraphic "handwriting," we've chosen the

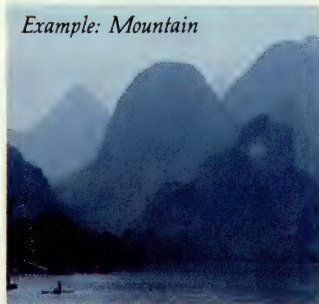
ancient pictographic styles for this puzzle, styles dating from the eighth to the second centuries B.C. but still used in China for seals and commemorative inscriptions. Can you match these calligraphic symbols (numbered 1-12) to the photos (A-L) of the objects they represent?

Once you've sorted out that puzzle, move on to the box below, where some of the same symbols are combined to form entirely new words. Here you'll have to use logic—and, at times, a leap of intuition—to grasp the meanings.

Answer Drawer, page 71

The Art of the Brush☆☆

Example: Mountain



Calligraphy and Photographs by Walter Hahn

Walter Hahn is a teacher of Asian art and a calligrapher.



1



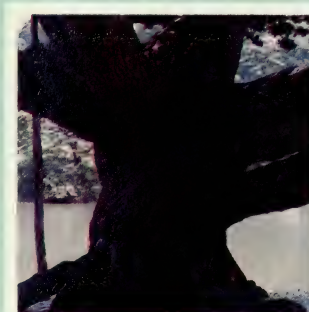
2



7



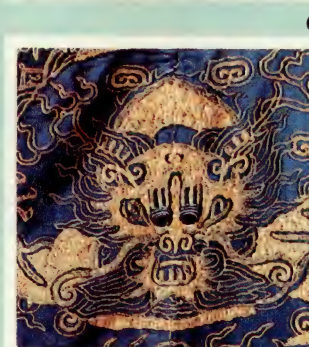
8



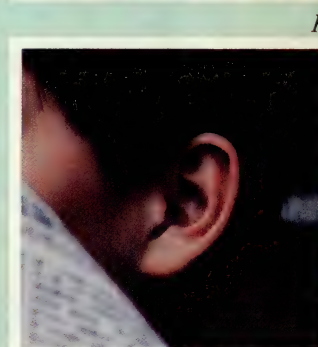
A



B



G

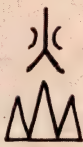


H

Combinations

Example:

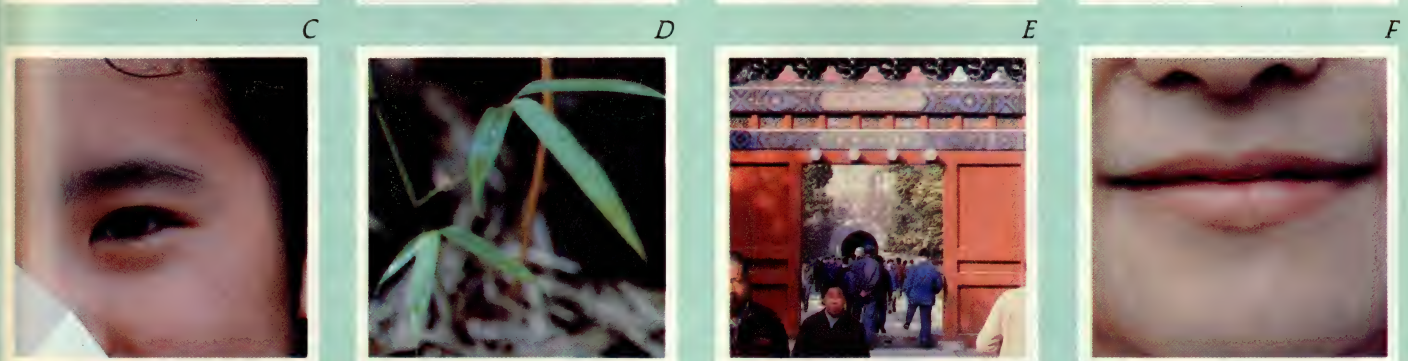
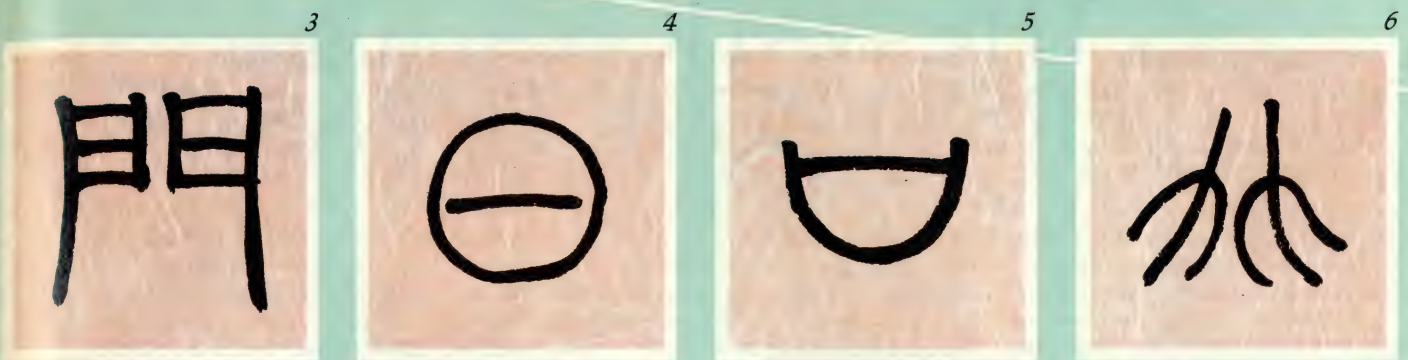
Fire
+
Mountain
=
Volcano



To create new words, the Chinese combine symbols in evocative ways—for example, the symbol for "fire" sits atop the symbol for "mountain" to produce "volcano" (left). The symbols at right are combinations of symbols already given on these two pages. Can you match them to their new meanings, listed at far right?



1



2

3

4

5

A. Tears

B. Whisper

C. Cage

D. Bath

E. Listen



A Passion for Puzzling

THE NATIONAL PUZZLERS' LEAGUE TURNS 100

by Robert D. Spurrier

For Marjorie Friedman, of Buffalo, New York, happiness is juggling the letters of the word SCHOOLMASTER and finding that they can also spell THE CLASSROOM. For Harry Hazard, of Rochester, New York, happiness is discovering that the word PTOMAIN conceals the name of the Revolutionary War hero TOM PAINE, the first name neatly tucked inside the last. For Boris Randolph, of Los Angeles, happiness is finding that the word TEMPERAMENTALLY can be broken into consecutive one-, two-, three-, four-, and five-letter words.

Such is the play—and the passion—of the members of the National Puzzlers' League, who will be celebrating the group's 100th anniversary July 21-24 in New Brunswick, New Jersey. As the oldest puzzlers' organization in the world, the league provides a forum for challenging wordplay and fosters a close camaraderie among its 300 members.



Camaraderie will be the byword at the July convention, which is expected to attract nearly a quarter of the membership. It's hard *not* to feel approachable during a game of "Haggle," for example: Players will each be given a crossword grid with clues to only two of its words, and must haggle with other players for more clues as they race to solve. Members will also face a library trivia hunt, in which teams will be turned loose in a local library and given 100 minutes to find the answers to 100 arcane trivia questions. Also on tap are a treasure hunt conducted with puzzles and new twists on TV word game shows.

"Solving puzzles is the medium we use as the basis for friendship," says Loris Curtis, the league's presi-

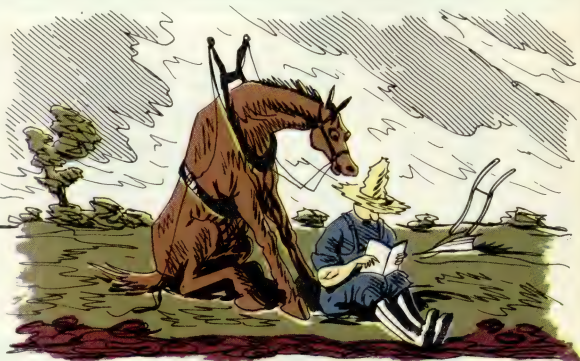
dent and a member for 56 years. A retired Michigan farmer, Curtis enjoys the "fraternal and social" aspects of the NPL as a complement to the more typical pleasures of solving in solitude: "I did a lot of my puzzling while plowing with the horses out in the fields. While the horses rested, I'd pull *The Enigma* out of my pocket."

The Enigma is the league's monthly journal, and it's been challenging "the Krewe"—as the NPL members are collectively known—since the group's earliest days. Now approaching its 1,000th issue, the magazine specializes in the types of puzzles that flourished in the 19th century. (For a sampling, see the next page.)

The group was founded as the Eastern Puzzlers' League on July 4, 1883 (the current name was adopted in 1920) by 28 young men who celebrated by paying a penny apiece to walk across the Brooklyn Bridge, dedicated just six weeks earlier. Membership reached its zenith during the puzzle renaissance of the 1920s and 1930s, when it boasted the slogan "The National Intellectual Pastime of America" and its conventions were covered by major newspapers and wire services. The members' expertise was such that the Signal Intelligence Service recruited several of them as cryptographers during World War II.

Today's league, rebounding from a membership slump in the 1960s, is an

active, devoted, diverse group. Ranging in age from 10 to 87, residing in the United States and six foreign countries, and representing a wide variety of occupations, the members spend an average of more than three hours a week on *The*



Enigma's puzzles. Nearly all correspond with other Krewe members, and in a few cases these postal friendships have blossomed into romances. Mary Hazard, a science editor, and Harry Hazard, an historian, met through the league and were married in 1976.

Each member chooses a cryptic *nom de plume* upon joining, and hidden behind these pseudonyms are some of the country's top puzzlersmiths. Among them are GAMES editors Will Shortz (WILLz), Mike Shenk (Manx), and Stephanie Spadaccini (Ivie), and the co-editors of *The Four-Star Puzzler*, Henry Rathvon and Emily Cox (they are known in the singular, as Hex).

Other members include the head of a prestigious music school who solves *The Enigma* during recitals, a Hoosier farmer who amazes the Krewe with mammoth word forms, and five of the top 10 finalists at last year's GAMES U.S. Open Crossword Puzzle Championship.

Perhaps it's not surprising that even NPL member Willard Espy—Wede, to the Krewe—the author of many volumes of wordplay and poetry puzzles, confesses to a mild insecurity in such company. "I'm a little nervous talking about wordplay with this group," he remarked at a recent NPL gathering. "It's like talking about religion with God."



Robert D. Spurrier last wrote for GAMES on the U.S. Open Crossword Puzzle Championship (December 1982).



TOUGH NUTS FROM THE NATIONAL PUZZLERS' LEAGUE



Ready for a challenge? Here's a sampler of four varieties of word puzzles made and enjoyed by members of the National Puzzlers' League. Each puzzle is followed by the author's *nom de plume* and the year in which it appeared in *The Enigma*, the league's monthly journal.

VERSE PUZZLES

Verse puzzles, or "flats," are nuggets of wordplay in poetic form. In each verse, two or more words have been replaced by dummy words like ONE and TWO, or FIRST, SECOND, and WHOLE. The object is to replace the missing words. There are more than 50 varieties of verse puzzles, among them:

- Letter Deletions, in which a letter in the word represented by FIRST is dropped to get the word represented by SECOND (for example, CONIFER, CONFER). Hint: In the first puzzle below, the fifth letter is dropped.
- Second-Letter Changes, in which the second letter of ONE is changed to get TWO (POISON, PRISON).
- Phonetic Charades, a phonetic joining of ONE, TWO, and THREE to get TOTAL (MOAT + HERB + OAT = MOTORBOAT).

The numbers in parentheses tell you the number of letters in the answers.

1. Letter Deletion (8, 7)

The manager's neat—he's compulsively dressy;
It irks him to see that his team is so messy.
Their locker room's cluttered—a FIRST for their clothing,
Equipment, and litter—it fills him with loathing.
What's more, they keep bumbling from inning to inning—
Score 20 to nothing, with visitors winning.
The fans (oh, those rude, unappreciative creatures!)
Let loose with a SECOND or two from the bleachers.

—Nightowl, 1974

2. Second-Letter Change (6)

If all you wear's a ONE, Sweet Sue,
Make sure the fastener is TWO.

—Paul & Virginia, 1977

3. Phonetic Charade (9; 4, 4, 4)

He lies abed, this lazy son,
While brilliant Phoebus rises ONE.
He seldom does a THREE of work,
This idle, selfish, slothful jerk.
The cows and horses, fat and sleek,
Drink water piped them from the creek.
Does this bum TWO it? No, by damn!
He lifts it with a TOTAL ram.

—Arty Ess, 1956

FORMS

A form is a miniature crossword puzzle with a simple geometric outline (stated

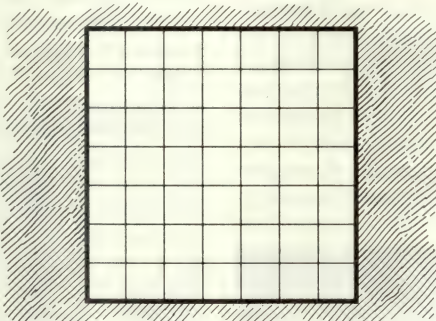
D O D G E
O P E R A
D E T E R
G R E A T
E A R T H

in the title) and no black squares. In most forms, like the example at right and the two puzzles below, the same answer words read both across and down.

1. Square

1. States positively
2. Bondage
3. Mouth fluids
4. Discernible
5. Turn completely about
6. Small window over a doorway
7. Methods

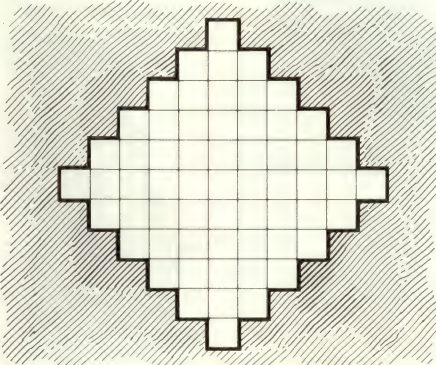
—Archimedes, 1938



2. Diamond

1. B
2. Turf
3. Held a festival for
4. Praise excessively
5. Short-billed ocean bird (2 words)
6. Ruddy, protuberant proboscises
7. Caused to explode
8. Zealous
9. Hurried (obsolete)
10. Primary color
11. S

—The Poser, 1922



CRYPTOGRAMS

The cryptogram is a popular puzzle with solvers both inside the NPL and out. But in the league, those who make cryptograms like to avoid those little articles and prepositions (A, IN, THE, etc.) that most of us use as aids in solving. They also try to suppress standard letter frequencies (eliminating such common letters as E and S) and avoid words with giveaway letter patterns. The results are still solvable—but far from easy.

Words on High

T H E N P L L S O K A H P B
C F J B A T E D P H F C Q
R E N C J L B D A P V E H F I
W N E S Y B E N K W E B Z
F B R S L C T K D A J,
X H B K D P Q N L T V B A H R
L R A H T P.

—Reynard, 1953

ANAGRAMS

The dictionary loosely defines an anagram as any word or phrase made by rearranging the letters of another. But in the NPL, an anagram has the additional requirement that the two parts must be alike in meaning. For example, THEY SEE is an anagram of THE EYES, and CASH LOST IN 'EM is an anagram of SLOT MACHINES. (An asterisk next to a number indicates a capitalized word.)

1. HE'S LETTER-POST MANAGER (3 *10 *7) —Tunste, 1924
2. IS PAIN BATTLER (7 6) —Hart King, 1982
3. VISIT SENATE—HE IS DETECTED UP FRONT (*4 *9 2 3 *6 *6) —D.C. Ver, 1935
4. I OFFER OSCAR HIT (*8 2 *4) —Te-Zir-Man, 1982
5. HEAR OLDEN TIME SONGS (9 9) —Donatello, 1913
6. A FLARING END (5 6) —Mona Lisa, 1978
7. TASTE HUNAN'S RICE THERE (3 *7 10) —George Groth, 1982
8. ARMY SET IS MAINLY EDUCATED AT IT (*6 *6 *8 *7) —Viking, 1932

GAMES & BOOKS

Edited by R. Wayne Schmittberger

Crosstalk* (Polar Company, \$19.95)

How well do you communicate? This game will put you to the test in a highly original way.

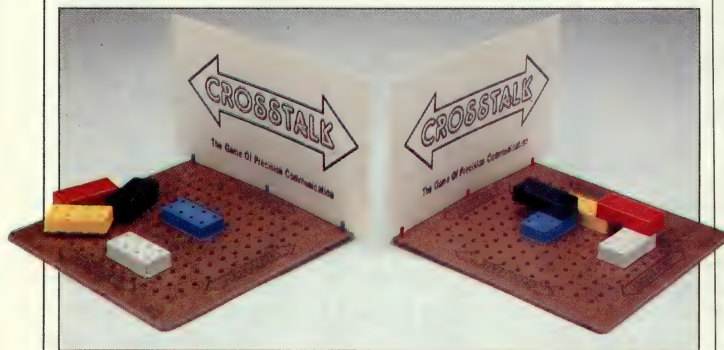
The object is to convey a precise message to your partner before players on other teams convey messages to theirs. Each player has a plastic "pegboard" (the Masonite versions shown are being discontinued), five domino-shaped tiles of different colors, and a screen to hide the board. To start a round, one member of each team sets up a tile pattern on his board—this pattern is the "message"—then passes it to the opponent on his right, who must somehow, without showing it, get his partner to duplicate it exactly on his board.

There are two sets of four rounds. In the first round, players may speak at will; in the second, played with new patterns, only "transmitters" may speak; in the third, the "receiver" must ask specific questions, since the "transmitter" may say only "yes" or "no"; in the fourth, communication is limited to sign language. Players switch roles for the second set of rounds. Each round is scored by a nicely balanced system that rewards speed and accuracy but penalizes error.

The game can be played on any of four levels of difficulty. In the easiest, all tiles are placed flat on the board in a continuous pattern; in the hardest, three-dimensional structures with free-floating tiles turned diagonally may be used.

Enough equipment is provided for three teams of two. An abbreviated variation for two players is based on the yes/no questions of round three.

—S.S.



Centré (from Centré Games, Box 568, Wethersfield, CT 06109; \$15 plus \$2.50 postage and handling)

This two-player strategy game owes something to the old classics Queen's Guard and the Jungle Game. The rules take only a few minutes to learn: There are just three kinds of pieces, and the object is simply to maneuver your Emperor to the center of the board.

If you advance your Emperor too quickly, enemy Marauders will easily drive him back. If you advance him too slowly, though, you may lose the race. Thus you must set up an escort of Defenders, which can drive Marauders back to the edge of the board on their own side.



Star Explorer* (Fantasy Games Unlimited, \$15)

Despite its simple board, and rules that are surprisingly brief for an adventure game, Star Explorer has ideas aplenty.

You are the captain of a starship about to explore four unknown planets. You select a crew—geologists, animal physiologists, fuel engineers, and others—then outfit your starship with shields, weapons, or extra fuel. These first decisions are crucial, for once you leave the starbase, it's a long way back.

The trip through space can be dangerous, with radiation storms, asteroids, pirates, and Zangid battleships. Each encounter gives you an array of choices. Do you run from the space pirates or face them down? Squeeze through the asteroid belt or stop to look things over? And all the while your fuel is trickling away.

On arrival at a planet, you determine its basic environment (anything from desert to swamp), but only when you've beamed down a crew to the planet's surface do you learn what they have to face so you can decide what actions to take. They could be trapped by lava, or chased by something hungry, or approached by an intelligent alien. The latter situation is tricky, since your initial impression of the alien could turn out to be highly inaccurate. If you treat a superbeing as if it were a barbarian, you could be in big trouble.

The game is won by accumulating Victory Points. These are earned by returning to your starbase on schedule and by dealing successfully with whatever you encounter. The rules are straightforward and easy to learn, and the game plays extremely well solitaire.

—Matthew Costello

Typically, positions develop in which a single mistimed move or the slightest miscalculation will upset the delicate balance and shift the momentum to the other player. Despite the need for careful thought, the game can easily be played in half an hour.

—R.W.S.



* Available from GAMES Mail Order Service. See page 64 for details.

Space Panic (for ColecoVision, around \$30)

In other climbing maze games (like Donkey Kong), your character must avoid hazards en route to a safe fixed destination. Here there's no fixed destination—and no safety. The sole way to survive is to eliminate all the pursuing alien creatures before running out of oxygen.

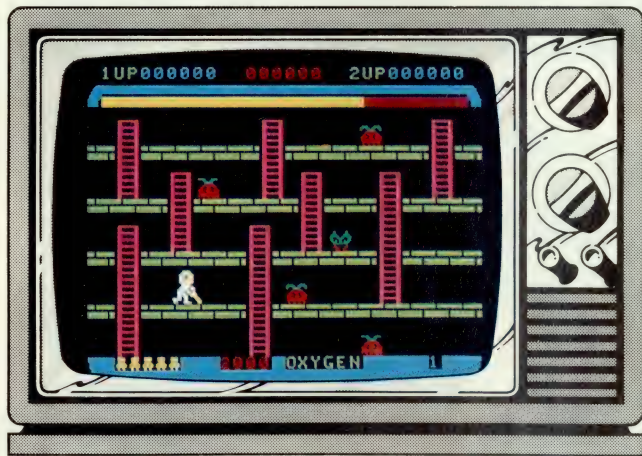
Your only weapon is your ability to dig holes (left fire button) and fill them up again (right fire button). Using yourself as bait (gulp) to lure the aliens close, you have to dig a hole, hope a critter falls into it, and then fill it up. If you succeed, the alien falls to the next level and perishes. But if the alien climbs out of the hole before you can fill it up, it not only repairs the hole but also mutates into a tougher adversary that must fall through *two* levels at once to be killed. Setting this up by digging one hole directly under another isn't easy. Worse, there's a third type of alien that must fall through *three* levels!

The number, types, and starting positions of the aliens vary from board to board, as do the number and locations of ladders. So forget about memorizing patterns. Fortunately, there are two things going for you. First, you can outrun the aliens (but you can't jump over them). Second, if you can arrange for one alien to fall onto another, both die—regardless of their types and how few levels they've fallen.

The game offers four skill levels. If you score a big 50,000 on level one, don't be surprised if you're held to 5,000 on level four, where the aliens are both faster and "smarter."

Space Panic, unlike many games, can be played indefinitely without causing any hand or wrist fatigue. It is so demanding mentally, though, that you are likely to feel exhausted after half an hour's play.

—R.W.S.



Soccer (for Atari 5200; around \$32)

Americans may not yet be hooked on soccer, but they'll definitely get a big kick out of this video version of the world's most popular sport.

Atari's 5200 soccer cartridge, for one player against the computer or two players against each other, has all the non-stop excitement of the real game—including goalie kicks, headers, sidelines throw-ins, and tackling. Each team has a computer-controlled goalie and four fielders who charge up and down the scrolling "pitch." Using side buttons on the joystick, you can kick the ball along the ground or loft it at various heights and distances. To mount a smooth attack takes some coordination, so to prepare for your head-to-head confrontations you'll want to practice against the computer at any of four skill levels (though the machine's side has a strange habit of dribbling the ball out of bounds). Halves can be varied from 5 to 45 minutes.

Although a player controls only one fielder at a time, an offensive strategy can be developed with either long down-field kicks in the English manner or short, precise passes like those the Brazilians use. In passing, you automatically gain control of any of your fielders the ball hits, but if the ball is free, you can gain control of another fielder by using the "switch" button on the joystick. Once past the defenders, however, scoring a goal is no cinch. Though the goalie is generally stingy, he's vulnerable to angled kicks or lofted shots. On defense, try the wraparound technique—to prevent breakaway goals, move players off one end of the field so they reappear on the other.

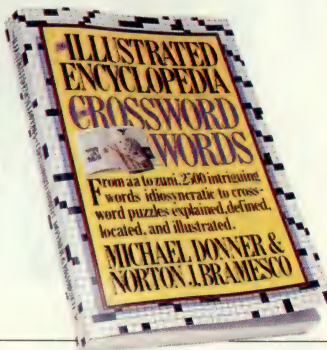
All in all, we haven't played a better sports cartridge on any system.

—C.S.

ETCETERA

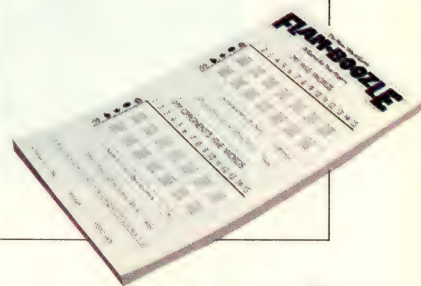
The Illustrated Encyclopedia of Crossword Words*

by Michael Donner and Norton J. Bramesco (Workman, 384 pages, \$9.95 paperback), answers questions like: How fast can a STEN fire? How do I tell the OISE and OUSE rivers apart? What does an OBI look like? Though this book won't significantly aid crossword solving, it does make those words encountered almost exclusively in crosswords a lot more interesting.



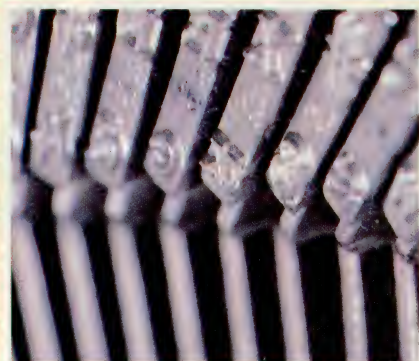
Rubik's World* (Ideal, \$11.95) brings new meaning to the theory of Continental Drift. Even if you've mastered Rubik's Cube—a mathematically equivalent challenge—you could be in trouble here if you can't tell Borneo's east coast from its west.

Flamboozle* (Pad Games, \$4.95), a new word game played with pencils and special pads, is a cross between Battleships and Probe. The object is to figure out what five words your opponent has hidden in his grid, and where they are, before he does the same to you.



What are these objects?

Answer Drawer, page 71



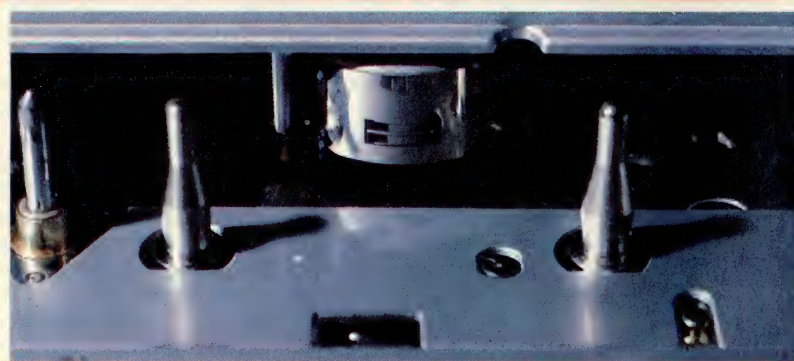
1. Elitists?



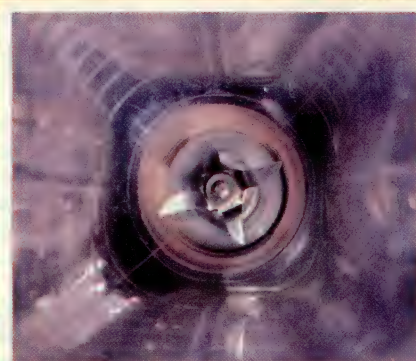
2. Hoodwinked



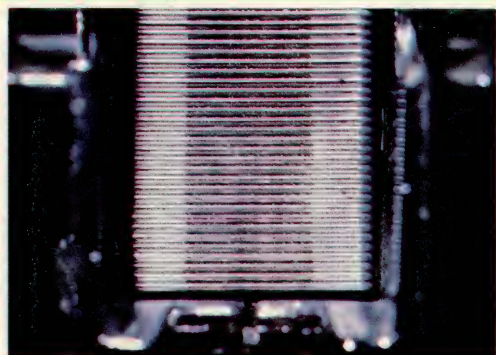
3. Hot slots



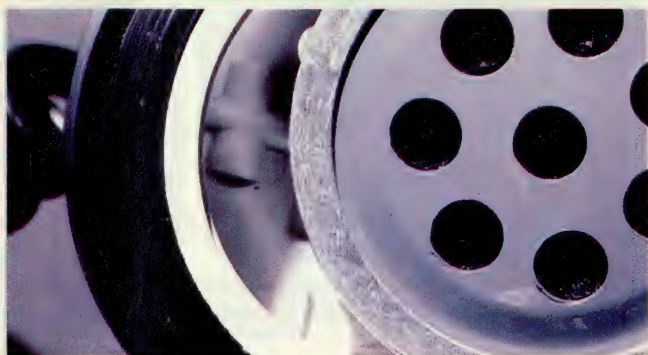
4. Hear, hear!



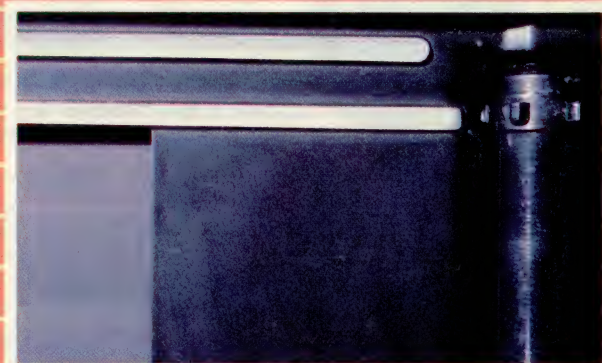
5. Whirled cup



6. Paper mates



7. Bell bottom



8. Shot in the dark



9. Noteworthy

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4x4x4 Tic-Tac-Toe

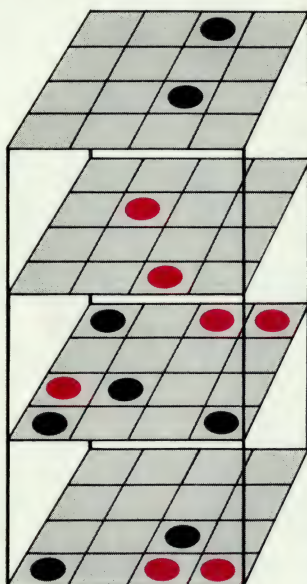
Black and Red are playing tic-tac-toe on a 4 x 4 x 4 board. The winner is the first player to achieve a straight line of four pieces of his color in any direction: horizontally, vertically, or diagonally, either on one of the four levels or in any up-down direction using all four levels. (Even "skew" diagonals

count, such as the straight line from the lower left forward square of the bottom level to the upper right rear square of the top level.)

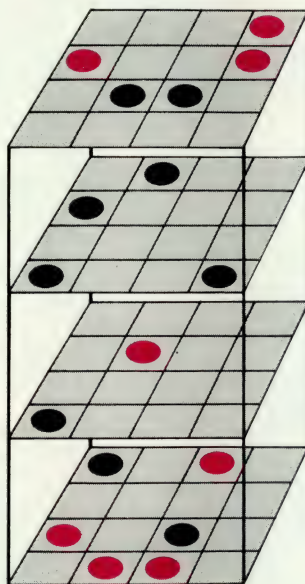
In each of the following positions, it is Red's turn to move. Can you find the winning play in each position?

Answer Drawer, page 68

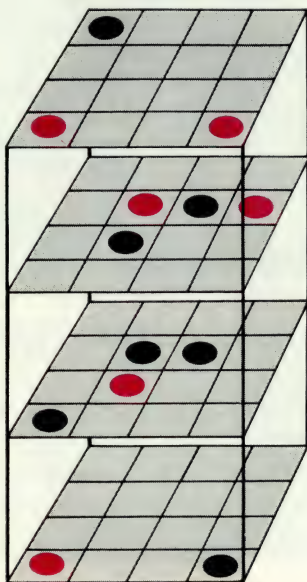
Problem 1 ★



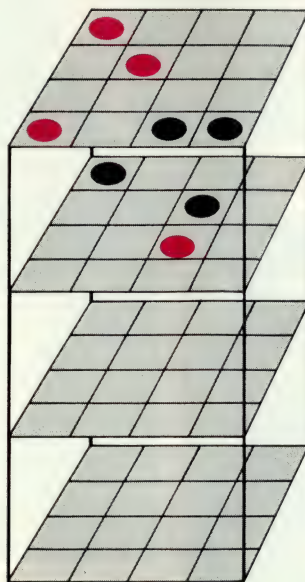
Problem 2 ★★



Problem 3 ★★



Problem 4 ★★★



The UNKINDEST CUT

(Continued from page 18)

Early the next morning, after roughing up a waiter at breakfast who wouldn't bring me ketchup with my eggs, I walked over to Rue de la Petite. Lautrec, sketch pad in one hand, cane in the other, was just climbing into a hansom. I hopped into another, threw some francs at the driver, and yelled, "Follow that carriage." Fifteen minutes later Lautrec pulled up in front of the half-built Eiffel Tower. I followed him up to the deserted first level, where the sawed-off esthete confronted me.

"Ah, Doctor, are you still trying to fathom why van Gogh cut off his ear?"

"No, because van Gogh didn't cut it off. Someone did it for him. What tipped me off was the lump on the side of his head. I realized that whoever cut off his ear first hit him—hard enough to affect his sight—so he wouldn't wake up from his drunken stupor. The weapon was Gauguin's bust, which chipped under the impact. That rules out Theo, who wouldn't have risked breaking a valuable piece of art, even to teach his brother a lesson. The ghoul who committed the crime brought van Gogh's ear to Gaby's in order to pin an insanity rap on van Gogh. Rey was there that night, a fact he didn't want the world to know. He seized the opportunity, and the ear, to add to his demented collection.

"But he didn't remove the ear. Rey is a surgeon and too expert with the scalpel to have mangled the ear as badly as it was. Besides, he would have used anesthesia rather than braining van Gogh with the bust. No, the most likely suspect is Gauguin. After all, the moody van Gogh pushed him to the edge, and with Gauguin, the edge isn't very far from the center. But Gauguin cleared himself by accident: When it comes to painting, he has an almost photographic memory, yet a sketch he drew of van Gogh showed his *right* ear missing instead of his left. Obviously, he didn't know which ear had been lopped off."

Lautrec's eyes were invisible behind his pince-nez. "Then who did it, my friend?" he asked.

"You, my friend. With some unintentional help from your circus friends, who taught you how to walk on stilts. Stilts, which made you as tall as van

Gogh; which you wore on the train from Paris to Arles on Christmas Eve and back on Christmas Day; which tore up the ground in front of Gaby's when you carried the ear there so that everyone, including the dazed van Gogh, would think he did it himself. But you didn't wear stilts all the time. Early Christmas morning, while you waited patiently for van Gogh to return to his house, you saw me in the doorway. Because you didn't want any witnesses at the scene, you hit me. And because you couldn't reach my head, you first slugged me in the kidneys."

Lautrec was smiling. "Indeed, van Gogh thought he was a big man, looking down on me and my demimonde friends. He even made fun of my height. But I cut him down to size. And even better, he thinks he did it to himself, which will drive him to madness. Neat, eh?"

"You've painted yourself into a corner, Lautrec."

"I think not." From the bottom of his cane shot a 10-inch blade. I rushed him, but slipped and fell. Lautrec was on me in an instant, pinning me with a large, powerful hand. In the other, the blade slowly came down. I was wondering who the patron saint of detectives was when I heard a pounding noise. Someone picked up Lautrec and hurled him against the guardrail, where he lay crumpled like a doll. I turned to look at my savior. It was the dapper cigar-smoking man from the Café de Nuit.

"Ah, not a moment too soon," he said. "Let me introduce myself: I'm Sigmund Freud." The master shrink himself! Freud explained to me that he had stopped in Arles on his way to the anesthesiologists' convention. Interested in the psyche of artists and recognizing van Gogh, he became curious about the mutilation.

"To see what made him tick, I interviewed van Gogh at the hospital. Clearly, he wasn't mad and hadn't cut off his own ear. Which meant someone else did. I rather suspected you, and later, when I saw you in Paris, I kept my eye on you. Fortunately you led me to the true madman. Lautrec is a most interesting case; it's a pity I don't have time to study him." To me Lautrec wasn't worth studying—or anything else.

I thanked Freud and left for Arles and home. Twenty-four hours later I was in Minder's office. He wasn't happy that Freud had given van Gogh a clean bill of health. "This means I'll have to cancel my lecture. I'll lose my speaking fee." Minder broke down and started to weep into his blue jogging suit. I walked out and never looked back. Sometimes it pays not to.



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GAMES CONTEST★

CAPTIONS COURAGEOUS

Remember silent movies? Remember how the dialogue used to appear on cards spliced into the film, while the actors, moving their mouths, were presumably saying their lines? Did you ever wonder what those actors were *really* saying? Take the scene from the movie *Midnight Molly*, at right. We have no idea what the poor bloke on the floor is telling heroine Evelyn Brent—but we've filled in the balloon showing what it *might* be.

That caption is by Gerald Gardner, the creator of the satiric *Who's In Charge Here?* series of books of captioned news photos. Gardner's forte is poking irreverent fun at politicians by putting words in their mouths (in one case almost literally—President Kennedy found a *Who's In Charge Here?* book baked into his 45th birthday cake, and promptly invited its author to the White House). But the technique can be equally well applied to people whose voices we never actually heard.

That's where you come in. On these two pages are stills from a few not-so-classic silent films. Can you create appropriate dialogue?

How to enter Send as many entries as you wish—different captions for the same scene or a single caption for each of several scenes (excluding the already captioned example). Each entry must be on a separate sheet of paper along with your name and address and the number of the picture your caption refers to. The most appropriately funny caption will win.

Send entries to: Captions Courageous, GAMES Magazine, 515 Madison Ave., New York, NY 10022. Entries must be received by August 1, 1983.



Gerald Gardner's "Who's In Charge Here? 1984" will be published this winter by Bantam Books. Photos courtesy of Gerald Gardner.

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GROANERS

Cross-breeding

After years of research, a botanist recently managed to cross a four-leaf clover with poison ivy. He's not sure what the results are yet, but lately he's had a rash of good luck.

—Raymond D. Love



TRIVIA

The Movie in Question

WHO IS HARRY KELLERMAN AND WHY IS HE SAYING THAT? THINK ABOUT HE?

The category is movie titles. The question: Can you name 10 films in which the titles are questions?

—Louis Phillips

Answer Drawer, page 72

TEASERS

Caw-cophony

A dog barks. A cat meows or purrs. But what does a giraffe do? It moans, of course. What sounds do these animals make?

- | | |
|-------------|-------------|
| 1. Elephant | 5. Oyster |
| 2. Seal | 6. Kangaroo |
| 3. Monkey | 7. Weasel |
| 4. Raven | 8. Panda |

Answer Drawer, page 72

FOR THE RECORD

Night Lights

If the only light in your bedroom, from 9 P.M. to 6 A.M., comes from the electronic digits of your clock, when is the room darkest? When is it lightest?

—Bill Bechem

Answer Drawer, page 72

TOUGH NUTS

Contrary-ness

Think of a common 12-letter word ending with NESS. Without changing the first eight letters, turn NESS around so it is written backward. What new 12-letter word is created?

—Merl Reagle

Answer Drawer, page 72

LOGIC

Us on a Bus

Three buses were traveling down parallel streets. All started on Sixth Street.

1. The bus going down Lincoln Boulevard was the last to arrive at First Street.
2. The B bus, driven by Edgar, was unusually crowded.
3. By the time Claude's bus got to Third Street, the A bus had just stopped at Fourth Street.
4. The B bus went down Jefferson Avenue.
5. The bus traveling down Washington Avenue arrived at First Street before the others.
6. The C bus was not driven by Grover.

Who drove the bus down Washington Avenue?

—P. G. Wright

Answer Drawer, page 72

WORDPLAY

Hidden Homographs

Tear. Did you rip the page or start to cry? Either way, you've come across a homograph: two words, spelled alike, but with different pronunciations and meanings. Twelve homographs are defined below. Can you match each with its partner and deduce the homographs they define?

- | | |
|----------------|-----------------|
| 1. gift | a. conduit |
| 2. metal | b. deny |
| 3. injury | c. introduce |
| 4. substance | d. twist |
| 5. swine | e. disc |
| 6. garbage | f. guide |
| 7. plunged | g. coiled |
| 8. abandon | h. peace symbol |
| 9. breeze | i. wasteland |
| 10. write down | j. satisfied |
| 11. stitcher | k. plant |
| 12. digit | l. more |

deadened
—Vicky Gehrt

Answer Drawer, page 72

HARRY HARDWAY

A Fair Question

One Sunday morning Harry Hardway asked his wife, Harriet, if she'd like to go to the fair.

Before she could stop herself, she blurted out, "How far is it?"

"Well, I'll tell you," he said, smiling, as Harriet mentally kicked herself for getting drawn into another of Harry's hard answers to easy questions: "Our car gets 12 miles to the gallon. Gasoline costs \$1.15 a gallon. The nearest gas station is 20 miles from the fairgrounds. Both places are on a straight line from here in the same direction. We'll go to the fair first, then buy gas before we go home. We have five gallons in the car now, and we'll need another \$11.50 worth to get home with enough gas left over to reach the gas station again. So how far is the fair?"

—B.H.

Answer Drawer, page 72



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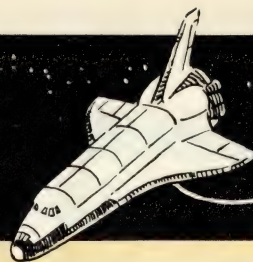
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THANK YOU



TEASERS

Loose Change

You probably collect a handful of change (pennies, nickels, dimes, and quarters) every day. Which coin, on average, will you receive the *least* of?

—Jerry Weinberg

Answer Drawer, page 72

TOUGH NUTS

Fairy Chess Maze

Here's an unusual chessboard maze for an unusual chess piece that moves alternately as a bishop and a rook. If it moves diagonally on its first move, it must move either horizontally or vertically on the next, and so on.

Starting at square a8, your goal is to maneuver the piece to square h1 (marked F for finish), always moving exactly the number of squares designated in the square where the move begins. For example, from a8 you can move only to a4 or to e8 if you begin moving as a rook, or to e4 if you begin as a bishop. After the first move, of course, you have no choice between bishop-moves and rook-moves; you must alternate.

The solution, which uses 13 moves, is unique.

—J. Mark Thompson

8	4	2	4	2	1	1	3	2
7	1	5	2	3	2	4	3	1
6	2	3	3	4	2	4	3	3
5	2	1	5	2	1	5	4	4
4	2	2	4	2	3	2	4	5
3	3	4	3	2	5	3	1	2
2	1	4	4	1	2	4	4	6
1	7	2	1	3	4	3	1	F
	a	b	c	d	e	f	g	h

Answer Drawer, page 72

WORDPLAY

Manhunt

Some letters are missing from the word list below. Replace each set of asterisks with a man's first name to form a complete word.

For example, "ad****tage" plus "Van" is "advantage."

1. r****serie
2. cli***
3. tar****in *Paul*
4. s****et
5. ****sman
6. un****ing
7. ****warm *Luke*
8. aspara*** *Gus*
9. m***ge *Ira*
10. ****ant
11. st*****
12. ****tone
13. se***
14. flot*** *Sam*
15. k****knack *Nick*

—Henry E. Leabo
Answer Drawer, page 72

TRIVIA

We Interrupt This Program . . .

The television shows listed here will *not* be appearing on your TV screen next season. Each title is a composite of two TV titles with the connecting word removed. For example, *Beacon Street Blues* is formed by putting *Beacon Hill* and *Hill Street Blues* together, and removing "Hill."

Can you guess the 18 shows that make up this list?

1. *All in the Feud Family*
2. *Gentle Casey* *Rain*
3. *Bachelor/Knows Best Father*
4. *That's Squares*
5. *The Courtship of Eddie's Murphy*
6. *I've Got a/Agent* *Secret*
7. *The Joker's/Kingdom* *Wild*
8. *Gemini/From Atlantis* *Man*
9. *The Adventures of Ellery for a Day* *Queen*

—Alan Friedenthal
Answer Drawer, page 72

Who helps bird-watchers work on their orthography?

How can you spot a whippoorwill when you don't know whether it has one p or two? Well, that's where orthography comes in. It's the art of writing words with the proper letters according to standard usage.

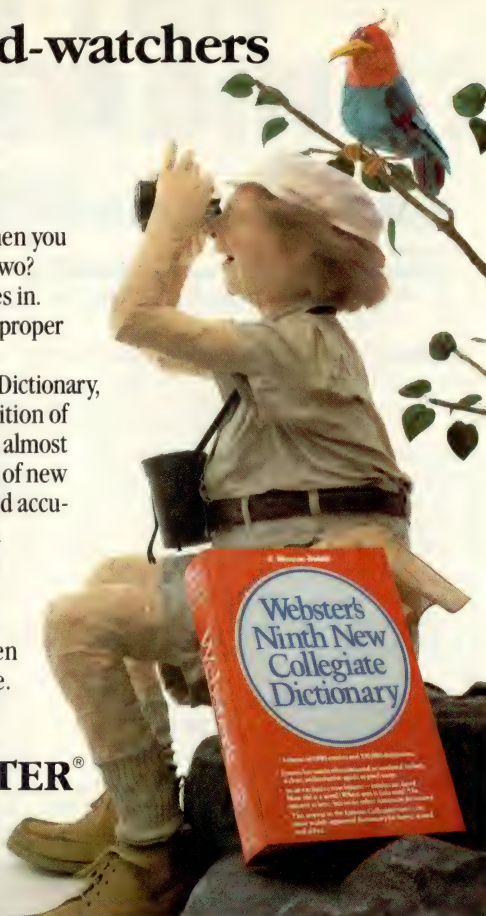
Webster's Ninth New Collegiate Dictionary, just published, can help. This new edition of America's best-selling dictionary has almost 160,000 entries including thousands of new ones, all defined clearly, concisely, and accurately. And at many of those problem words, you'll find authoritative essays on contemporary usage.

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A	F	T	E	R		L	F	E		C	C	T		T	A	I	L	E	D			A	B	B	A			
P	A	Z				O	D	E	S		P	A	T	E	N	T		M	R	S		L	I	N	C	O	L	
E	V	E	N			N	E	S			C	O	N	G	O	L	E	S					N	I	T	W	I	
D	O	L	E			S	T	E		I	N	T	E	M	P	S	C	E				G	N	E	I	S	S	
						R	S	T			T	A	X	I		D	E	S	P	A	T	C	H		A	D	F	S

Man: A, I, G, F, H, P, L, B, Q
 Woman: O, E, C, K, H, N, J, M, D
 Picture H is common to both.

The figure consists of four 4x4 grids arranged vertically, illustrating a sequence of moves in a 15-puzzle. Each grid contains 15 numbered tiles (1-14) and one blank space (represented by a black dot). The tiles are numbered 1 through 14, with 15 being the blank space.

- Grid 1 (Top):** Initial state. Blank space at (1,4). Tiles: 1 at (2,1), 2 at (2,2), 3 at (2,3), 4 at (2,4), 5 at (3,1), 6 at (3,2), 7 at (3,3), 8 at (3,4), 9 at (4,1), 10 at (4,2), 11 at (4,3), 12 at (4,4).
- Grid 2:** Result of a 180-degree rotation of the top two rows of Grid 1. Blank space at (1,4). Tiles: 1 at (2,4), 2 at (2,3), 3 at (2,2), 4 at (2,1), 5 at (3,4), 6 at (3,3), 7 at (3,2), 8 at (3,1), 9 at (4,4), 10 at (4,3), 11 at (4,2), 12 at (4,1).
- Grid 3:** Result of a 180-degree rotation of the bottom two rows of Grid 2. Blank space at (1,4). Tiles: 1 at (2,1), 2 at (2,2), 3 at (2,3), 4 at (2,4), 5 at (3,1), 6 at (3,2), 7 at (3,3), 8 at (3,4), 9 at (4,1), 10 at (4,2), 11 at (4,3), 12 at (4,4).
- Grid 4 (Bottom):** Result of swapping the top and bottom halves of Grid 3. Blank space at (1,4). Tiles: 1 at (4,1), 2 at (4,2), 3 at (4,3), 4 at (4,4), 5 at (3,1), 6 at (3,2), 7 at (3,3), 8 at (3,4), 9 at (2,1), 10 at (2,2), 11 at (2,3), 12 at (2,4).

Problems 1 and 2 were composed by Paddy Smith. Problems 3 and 4 were composed by William Porter, and are reprinted from *Your Move* (McGraw-Hill) © 1971 by David Silverman.

M	I	S	S	T	E	P		S	C	H	E	M	E		F	E	S	S	E	S
A	C	H	I	E	V	E		C	A	U	S	E	S		A	R	O	I	N	T
C	O	U	N	T	E	S	S	O	F	M	O	N	T	E	C	R	I	S	T	
E	N	T		E	N	T	I	R	E		H	I	N	T	S		T	I	P	
				T	E	R	I		B	R	A	V	O		S	E	T	A		
O	P	Q		M	F	R		A	S	R	E	D	A	S		T	R	I	N	
R	A	U	C	O	U	S		H	O	T	E	L		A	B	A	S	E	D	
O	N	E	I	L	L		S	T	A	T	E	N		V	N	E	C	K	S	
I	D	E	N	T		S	W	A	S	H			R	E	N	A	T	A		
D	O	N	E		C	H	A	T	T	E	L			U	N	A	L	E	R	
E	R	O		M	R	O	L	E	A	R	Y	S		B	U	L	L		A	
	A	F	F	A	I	R	E		S	C	R	O	L	L	S		A	M	I	
		B	O	S	S	E	S		A	I	M	E	E		D	R	A	C	O	
	R	A	I	S	E	S		F	A	R	C	E	S		F	R	O	Z	E	
C	U	R	S	E	S		T	E	R	R	A			B	L	O	W	O	U	
A	M	A	T			A	S	S	A	I	L	S		L	I	P		V	P	
S	I	T	S			L	E	T	B	E			I	R	A	N				
A	N	A		A	M	A	T		S	T	A	N	C	E		A	P	O		
B	A	R	O	N	E	S	S	V	O	N	M	U	N	C	H	A	U	S	E	
A	N	I	R	O	N			E	A	S	E	U	P		H	E	S	S	I	
	S	T	A	I	N	S		S	I	E	F	E	T	S		E	S	T	A	

- 2 Heroism (him sore)
- 3 Canoe (can + O.E.)
- 4 Extol (ex-toll)
- 5 Hue and cry (pun)
- 6 Alligator (a girl a lot)
- 7 Tempera (temper + a)
- 8 Drown (Dr. + own)
- 9 Platonic (Alp + tonic)
- 15 Handcraft (H + and + C + raft)
- 16 Retention (on ten-tire)
- 17 Knee-deep (need + keep)
- 19 Beneath (the bean)
- 21 Gleaner (leaner + g)
- 22 Polka (Polk + a)
- 23 Synch (sink)
- 24 Bored (board)

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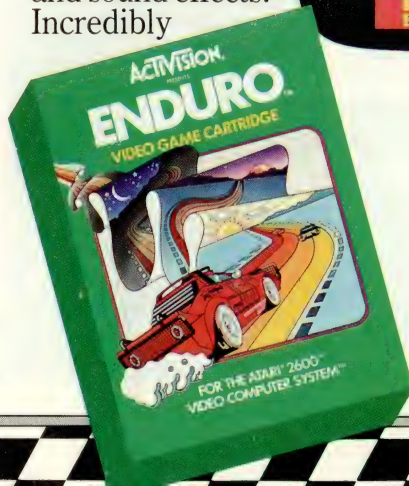
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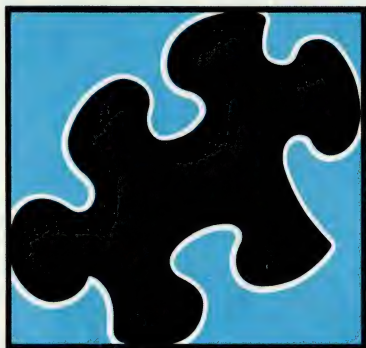
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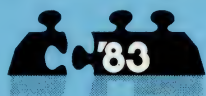
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ANSWER DRAWER

42 Double Cross

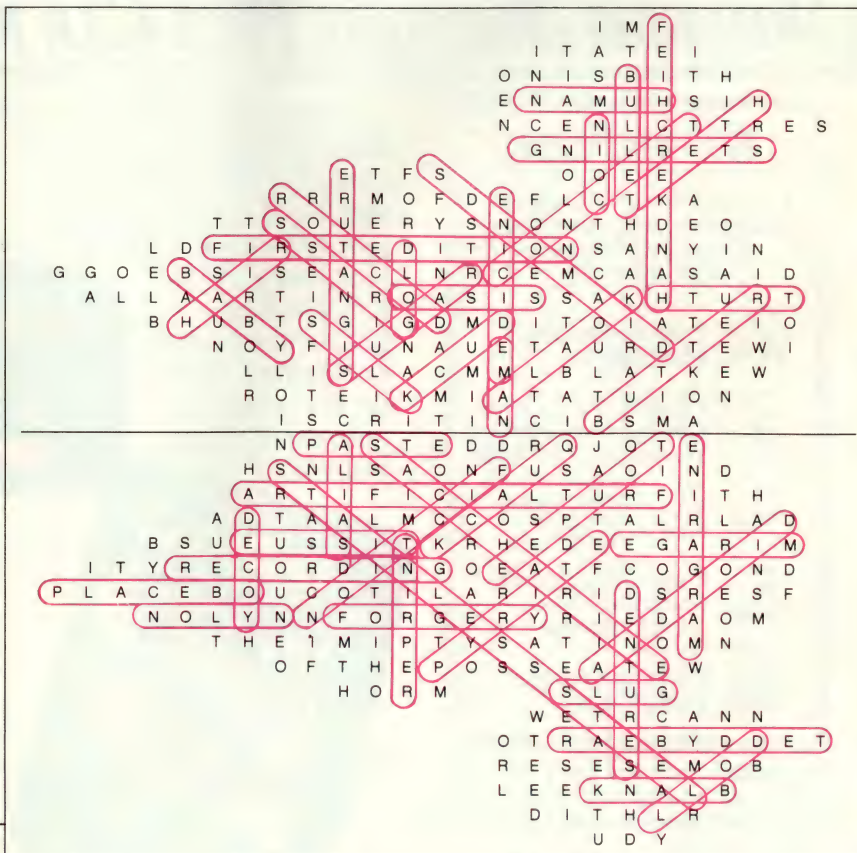
- | | |
|---------------|----------------|
| A. EARMARK | M. YAWN |
| B. UNDERTAKE | N. EMPOWERED |
| C. DIVINATION | O. OSSIFY |
| D. OSTENSIBLY | P. FLATTER |
| E. ROWING | Q. TITTER |
| F. ARMAMENTS | R. HOTTEST |
| G. WORSHIP | S. EXHAUSTIVE |
| H. EMPLOYEE | T. SITS |
| I. LITHOGRAPH | U. TARN |
| J. TILL | V. OVERWROUGHT |
| K. YACHTING | W. REST |
| L. EVERYBODY | X. YO-HEAVE-HO |

Relationship is a pervading and changing mystery; it is not words that make it so in life, but words have to make it so in a story. Brutal or lovely, the mystery waits for people wherever they go, whatever extreme they run to.—Eudora Welty, *(The) Eye of the Story*

43 Missing Links

O	V	E	R	B	O	A	R	D
R		A				R	U	E
C	A	R		L	A	K	E	S
H			E	O	N		L	A
E	G	G	N	O	G			Y
S		R		S	E	A	M	
T	H	E		E	A	T	E	N
R	E	W	A	R	D		R	
A	X		N		E	Y	E	S

30 Upon Reflection

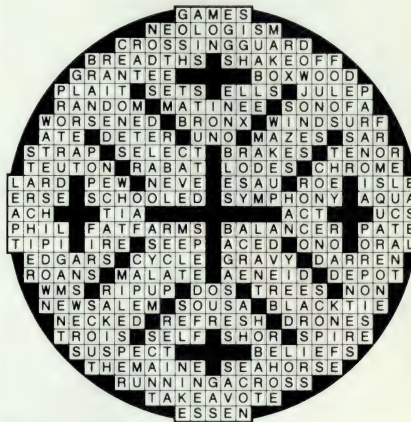


Fake Advertisement

The "Fake Ad" announced in the Table of Contents was for the Early American Lithographs and appeared on page 11. Idea by Cecilia Jennings. Retouching by Bob Rakita. Photos: The Bettmann Archive, Inc.

From March

**"The First Round" Qualifying
Puzzle, page 43
1983 U.S. Open Crossword
Puzzle Championship**



46 Letterheads

- | | |
|-------------|-------------|
| 1. Chopping | 5. Phoning |
| 2. Vowing | 6. Roaring |
| 3. Dreading | 7. Sweeping |
| 4. Tracing | 8. Jangling |

ANSWER DRAWER

32 Disinhairited

- | | |
|-----------------------|---------------------|
| 1. Rodney Dangerfield | 7. Paul McCartney |
| 2. Gary Coleman | 8. John McEnroe |
| 3. Nancy Reagan | 9. Brooke Shields |
| 4. Dan Rather | 10. George Burns |
| 5. Ted Kennedy | 11. Reggie Jackson |
| 6. Bo Derek | 12. Barbara Walters |

Below, for your amusement, are the full faces with their shiny domes.



Photo credits: UPI: 1, 3, 4, 5, 8, 9, 10, 12. Wide World: 2, 6, 7, 11.

48 The Art of the Brush

- | | |
|--------------|-----------------|
| 1. H, ear | 7. B, fire |
| 2. J, fish | 8. C, eye |
| 3. E, gate | 9. I, water |
| 4. L, sun | 10. G, dragon |
| 5. F, mouth | 11. K, umbrella |
| 6. D, bamboo | 12. A, tree |

Combinations

1. C, Cage (Dragon + Bamboo)
2. B, Whisper (3 Ears)
3. D, Bath (Water + Tree)
4. A, Tears (Water + Eye)
5. E, Listen (Gate + Ear)

54 Eyeball Benders

1. Typewriter keys
2. Car radiator cap
3. Underside of a toaster
4. Inside of a cassette recorder
5. Blender
6. Stapler, with staples
7. Telephone mouthpiece
8. Inside of a camera
9. Piano hammers

August issue of GAMES
On sale at newsstands
July 7



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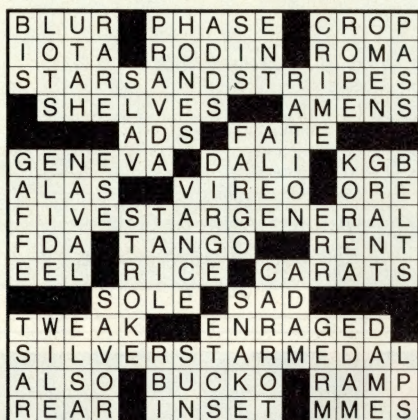
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29 Patriotic Points



34 Dszquhsbnt!

1. CRYPTOON. "Your salesman said these pants would wear like iron; what he didn't say was that they would feel like it, too."
2. FICTIONAL RECORD. Robinson Crusoe probably is the only person in the world who managed to get all his chores done by Friday.
3. WHODUNIT. Great unsolved mystery: How parents know about all the mistakes they end up telling their kids to avoid.
4. IMPARTIAL OBSERVER. By now you must have found out that no one listens to both sides of an argument except those who live next door.
5. QUITTING TIME. Success depends upon knowing when to stop. The longer you work to improve something, the better your chance of breaking it.
6. THROWBACK. Cavemen beat the ground with clubs, uttering spine-chilling cries, in primitive self-expression. We do it, too, and call it golf.
7. PUSS IN BOOTS. Ambitious feline journeyed to capital of British Empire for audience with Her Majesty, the constitutional ruler.

Cover

The unnaturally svelte stars are, from left, Elizabeth Taylor, Burt Reynolds, Bette Midler, Loni Anderson, Orson Welles, Dolly Parton, Mr. T, Jane Fonda, John Travolta, and Mick Jagger. The elongated images were produced by anamorphically distorting their photographs.

Photo credits:

Jagger, Parton, and Mr. T from Wide World; Welles, Anderson, Fonda, Reynolds, Midler, and Taylor from UPI; Travolta from Movie Still Archives.

EUREKA

Eureka is dedicated to those venturesome spirits who, never settling for a ready answer, have fought their way to a better, more elegant, or more complete solution than one previously given in the Answer Drawer.

★Odd One Out (May, page 14). We offered three groups of five similar items and asked you to figure out "which one don't belong." As you know by now, all of them don't (which explains our intentionally ungrammatical subtitle). Many readers found reasons other than the ones we gave for eliminating several of the items shown:

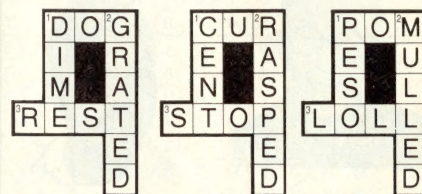
Vehicles Pontiac is the only name ending in a consonant (Jeri Sykes, Davis, CA; Anita Parsons, Tumwater, WA; Brian Thibault, Greenville, SC; Joe Pike, Norfolk, VA). The lawn mower is the only one without lights (Lew Hopkins, San Francisco; Chuck Cusomano, Denver; Joe Pike).

Books Gorky Park has the only author with three names (Lew Hopkins, Chuck Cusomano). *Murderer* has the only photo (Lew Hopkins) and the only black-and-white cover (Jeri Sykes).

Fruits The cherries are the only ones shown without leaves (Melissa Ives, Jacksonville, IL; Chuck Cusomano, Jeri Sykes). The strawberries have seeds on the outside (Chris Young, Hixson TN; Kristine Bullmer, Plainfield, IL).

★The Most Magical Square (Wild Cards, May, page 66). We listed 16 ways in which the numbers in Ben Franklin's amazing magic square add up to 260 or 130. Kathy Jones, of Pasadena, MD, finds that the 8-box diagonal 16-45 also totals 260, as does every pair of 4-box rows equidistant from the center and located in corresponding rows or columns (e.g. 60-5-12-21 and 56-41-40-25, or 2-57-7-59 and 31-40-26-38). She also points out the error in our answer: #6 should read 31-40 plus 2-57 plus 5-62 plus 28-35.

★One Never Knows, Do One? (April, page 34). In puzzle #4, a small crossword, we gave both an obvious solution (below, left) and a less obvious one (center). Now comes John McArthur, of Lakeland, FL, with one still less obvious (right). The clues are: 1-Across, Canine; 3-Across, Take a breather; 1-Down, Small coin; and 2-Down, Rubbed abrasively.



★Name Droppers (February, page 37). The idea was to think of famous persons whose initials had been removed from given words or phrases logically associated with them. For #10, S_WING MAC__INE, our answer was Elias Howe, the sewing machine's inventor. Robert Blenheim, of Daytona Beach, FL, says another logical answer would be Edith Head, the Hollywood costume designer.

WILD CARD ANSWERS

Caw-cophony

- | | |
|-------------|-------------|
| 1. Trumpets | 5. Whistles |
| 2. Barks | 6. Clucks |
| 3. Chatters | 7. Chirps |
| 4. Cronks | 8. Bleats |

Us on a Bus

Claude drove the C bus down Washington Avenue, Grover drove the A bus down Lincoln Boulevard, and Edgar drove the B bus down Jefferson Avenue.

Night Lights

Darkest, 1:11 A.M.; lightest, 10:08 P.M.

Hidden Homographs

1. (c) present
2. (f) lead
3. (g) wound
4. (j) content
5. (k) sow
6. (b) refuse
7. (h) dove
8. (l) desert
9. (d) wind
10. (e) record
11. (a) sewer
12. (l) number

The Movie in Question

Some possible answers are:

Whatever Happened to Baby Jane?
What Price Glory?
Who Is Killing the Great Chefs of Europe?
What Did You Do in the War, Daddy?
Where's Poppa?
What's New, Pussycat?
What's Up, Doc?
Will Success Spoil Rock Hunter?
What's Up, Tiger Lily?
Who's Been Sleeping in My Bed?

Contrary-ness

Delicateness and delicatessen.

A Fair Question

Since Harry has enough gas to go 60 miles (five gallons at 12 m.p.g.) and needs 10 gallons more (\$11.50 at \$1.15 per gallon), the total mileage must be 180. If the gas station (G) were between home (H) and the fairgrounds (F), Harry would have to travel the 20-mile dis-

tance G-F twice (40 miles) and the unknown distance H-G three times. In that case, the distance H-G (n miles) would be approximately 46.667 miles ($180 = 40 + 3n$; $n = 46.667$). But with only five gallons of gas, he couldn't go to F first and then to G, a total of 86.667 miles. So F must be between H and G, and Harry must cover F-G three times (60 miles), as well as F-H three times. Thus ($180 = 60 + 3n$; $n = 40$), the fairgrounds is 40 miles from home, the gas station 60 miles.

Loose Change

Nickels. Suppose that 99 people go into a store, one after the other, and purchase items costing 1¢, 2¢, 3¢ ... through 99¢, giving the storekeeper a \$1 bill in each case. Assuming the storekeeper has sufficient pennies, nickels, dimes, and quarters, and distributes them in the standard manner (a dime instead of two nickels, etc.), the change will break down thus: 200 pennies, 40 nickels, 80 dimes, and 150 quarters.

If you still have doubts, try holding your change aside for a week or two, and then count the totals.

Fairy Chess Maze

Moving as a bishop first, the solution is: a8 - e4 - e7 - c5 - h5 - d1 - a1 - h8 - f8 - e7 - c7 - e5 - e4 - h1.

Manhunt

- | | | |
|---------------|--------------|----------------|
| 1. rOTISserie | 6. unWILLing | 11. sTERNest |
| 2. cliMAX | 7. LUKEwarm | 12. MILEStone |
| 3. tarPAULin | 8. asparaGUS | 13. seDAN |
| 4. sCARLet | 9. mIRAge | 14. flotSAM |
| 5. MARKsman | 10. ADAMant | 15. kNICKknack |

We Interrupt This Program ...

1. All in the Family/Family Feud
2. Gentle Ben/Ben Casey
3. Bachelor Father/Father Knows Best
4. That's Hollywood/Hollywood Squares
5. The Courtship of Eddie's Father/Father Murphy
6. I've Got a Secret/Secret Agent
7. The Joker's Wild/Wild Kingdom
8. Gemini Man/Man From Atlantis
9. The Adventures of Ellery Queen/Queen for a Day

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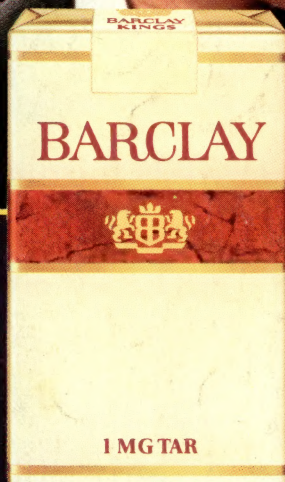
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